GI	none	Score	.51
Exons	1572..1637, 2916..3741		

Seq. No.	31008	Seq. ID	OJ990909_14.9A28.C9
Gene No.	64219	Strand	+
Start	1385	End	3772
Name	OJ990909_14.9A28.C9.o1.gp	Method	AAT/GAP
Start	2919	End	3176
GI	62315_1.R1084	Score	475
Exons	2919..3176		
GI Descrip.	'4176420/dbj\|BAA37167\| 2.0e-11 (AB008097) cytochrome P450 [Arabidopsis thaliana]'		

Seq. No.	31008	Seq. ID	OJ990909_14.9A28.C9
Gene No.	64220	Strand	-
Start	13130	End	19984
Name	OJ990909_14.9A28.C9.o3.tm	Method	TBLASTX:Maize
Start	2902	End	3228
GI	none	Score	450
Exons	2902..3228, 2913..3221		

Seq. No.	31008	Seq. ID	OJ990909_14.9A28.C9
Gene No.	64220	Strand	-
Start	13130	End	19984
Name	OJ990909_14.9A28.C9.o1.tc	Method	TBLASTX:Cress
Start	2914	End	3675
GI	none	Score	120
Exons	2914..3051, 3103..3228, 3312..3416, 3331..3633, 3456..3611, 3643..3675		

Seq. No.	31008	Seq. ID	OJ990909_14.9A28.C9
Gene No.	64220	Strand	-
Start	13130	End	19984
Name	OJ990909_14.9A28.C9.o2.ts	Method	TBLASTX:Soybean
Start	3103	End	3675
GI	none	Score	87
Exons	3103..3228, 3331..3633, 3375..3416, 3376..3516, 3456..3611, 3643..3675		

Seq. No.	31008	Seq. ID	OJ990909_14.9A28.C9
Gene No.	64220	Strand	-
Start	13130	End	19984
Name	OJ990909_14.9A28.C9.o2.tm	Method	TBLASTX:Maize
Start	3349	End	3744
GI	none	Score	631
Exons	3349..3744, 3351..3743		

Seq. No.	31008	Seq. ID	OJ990909_14.9A28.C9
Gene No.	64220	Strand	-
Start	13130	End	19984
Name	OJ990909_14.9A28.C9.o2.tw	Method	TBLASTX:Wheat
Start	3474	End	3642
GI	none	Score	182
Exons	3474..3641, 3475..3642		

Seq. No.	31008	Seq. ID	OJ990909_14.9A28.C9
Gene No.	64220	Strand	-

BEST AVAILABLE COPY

Start	13130	End	19984
Name	OJ990909_14.9A28.C9.o4.gs	Method	GENSCAN
Start	13130	End	19972
GI	none	Score	.69
Exons	13130..13241, 13940..14290, 14800..15023, 17843..17975, 18213..18685, 19061..19556, 19699..19719, 19900..19972		

Seq. No.	31008	Seq. ID	OJ990909_14.9A28.C9
Gene No.	64220	Strand	-
Start	13130	End	19984
Name	OJ990909_14.9A28.C9.o3.gp	Method	AAT/GAP
Start	17459	End	18334
GI	41718_1.R1084	Score	1179
Exons	17459..17975, 18213..18334		
GI Descrip.	'4539009/emb\|CAB39630.1\| 1.0e-15 (AL049481) putative protein [Arabidopsis thaliana]'		

Seq. No.	31008	Seq. ID	OJ990909_14.9A28.C9
Gene No.	64220	Strand	-
Start	13130	End	19984
Name	OJ990909_14.9A28.C9.o5.tm	Method	TBLASTX:Maize
Start	17497	End	17894
GI	none	Score	42
Exons	17497..17520, 17576..17617, 17631..17654, 17687..17893, 17702..17887, 17718..17894, 17718..17894		

Seq. No.	31008	Seq. ID	OJ990909_14.9A28.C9
Gene No.	64220	Strand	-
Start	13130	End	19984
Name	OJ990909_14.9A28.C9.o1.ts	Method	TBLASTX:Soybean
Start	17693	End	18601
GI	none	Score	52
Exons	17693..17791, 17718..17789, 17805..17975, 17810..17974, 17816..17977, 17823..17975, 18210..18536, 18210..18587, 18212..18601, 18277..18585		

Seq. No.	31008	Seq. ID	OJ990909_14.9A28.C9
Gene No.	64220	Strand	-
Start	13130	End	19984
Name	OJ990909_14.9A28.C9.o2.tc	Method	TBLASTX:Cress
Start	17867	End	18621
GI	none	Score	59
Exons	17867..17968, 17879..17950, 17923..17982, 18218..18592, 18219..18596, 18499..18621		

Seq. No.	31008	Seq. ID	OJ990909_14.9A28.C9
Gene No.	64220	Strand	-
Start	13130	End	19984
Name	OJ990909_14.9A28.C9.o2.np	Method	AAT/NAP
Start	17878	End	19762
GI	4539009	Score	827
Exons	17878..17975, 18213..18845, 18884..19302, 19441..19542, 19699..19762		
GI Descrip.	(AL049481) putative protein [Arabidopsis thaliana]		

Seq. No.	31008	Seq. ID	OJ990909_14.9A28.C9
Gene No.	64220	Strand	-

Start	13130	End	19984
Name	OJ990909_14.9A28.C9.o4.tm	Method	TBLASTX:Maize
Start	18151	End	18581
GI	none	Score	124
Exons	18151..18441, 18205..18576, 18209..18580, 18210..18581		

Seq. No.	31008	Seq. ID	OJ990909_14.9A28.C9
Gene No.	64220	Strand	-
Start	13130	End	19984
Name	OJ990909_14.9A28.C9.o1.tw	Method	TBLASTX:Wheat
Start	18443	End	18827
GI	none	Score	200
Exons	18443..18775, 18455..18775, 18495..18776, 18631..18777, 18789..18827		

Seq. No.	31008	Seq. ID	OJ990909_14.9A28.C9
Gene No.	64220	Strand	-
Start	13130	End	19984
Name	OJ990909_14.9A28.C9.o1.tm	Method	TBLASTX:Maize
Start	18581	End	19984
GI	none	Score	243
Exons	18581..18775, 18581..18775, 18582..18776, 19025..19549, 19026..19556, 19212..19550, 19689..19754, 19700..19762, 19700..19759, 19884..19976, 19887..19973, 19888..19980, 19898..19984, 19898..19975		

Seq. No.	31008	Seq. ID	OJ990909_14.9A28.C9
Gene No.	64220	Strand	-
Start	13130	End	19984
Name	OJ990909_14.9A28.C9.o3.ts	Method	TBLASTX:Soybean
Start	18677	End	19269
GI	none	Score	78
Exons	18677..18775, 18679..18777, 18710..18775, 19025..19267, 19026..19268, 19216..19269		

Seq. No.	31009	Seq. ID	OJ990319_09.9A06.C1
Gene No.	64221	Strand	-
Start	136	End	198
Name	OJ990319_09.9A06.C1.o1.gs	Method	GENSCAN
Start	136	End	198
GI	none	Score	.64
Exons	136..198		

Seq. No.	31010	Seq. ID	OJ990319_09.9A06.C3
Gene No.	64222	Strand	-
Start	126	End	238
Name	OJ990319_09.9A06.C3.o1.gs	Method	GENSCAN
Start	126	End	238
GI	none	Score	.64
Exons	126..238		

Seq. No.	31011	Seq. ID	OJ990319_09.9A06.C4
Gene No.	64223	Strand	+
Start	1	End	339
Name	OJ990319_09.9A06.C4.o1.np	Method	AAT/NAP
Start	1	End	238
GI	5726238	Score	288

Exons	1..238		
GI Descrip.	(AF123881) gag polyprotein [multiple sclerosis associated retrovirus element]		
Seq. No.	31011	Seq. ID	OJ990319_09.9A06.C4
Gene No.	64223	Strand	+
Start	1	End	339
Name	OJ990319_09.9A06.C4.o1.gs	Method	GENSCAN
Start	31	End	339
GI	none	Score	.63
Exons	31..339		
Seq. No.	31012	Seq. ID	OJ990319_09.9A06.C6
Gene No.	64224	Strand	+
Start	85	End	457
Name	OJ990319_09.9A06.C6.o1.gs	Method	GENSCAN
Start	85	End	457
GI	none	Score	.76
Exons	85..457		
Seq. No.	31013	Seq. ID	OJ990319_09.9A06.C7
Gene No.	64225	Strand	+
Start	81	End	219
Name	OJ990319_09.9A06.C7.o1.gs	Method	GENSCAN
Start	81	End	219
GI	none	Score	.9
Exons	81..219		
Seq. No.	31014	Seq. ID	OJ990319_09.9A06.C8
Gene No.	64226	Strand	+
Start	76	End	487
Name	OJ990319_09.9A06.C8.o1.gs	Method	GENSCAN
Start	76	End	370
GI	none	Score	.59
Exons	76..370		
Seq. No.	31014	Seq. ID	OJ990319_09.9A06.C8
Gene No.	64226	Strand	+
Start	76	End	487
Name	OJ990319_09.9A06.C8.o1.np	Method	AAT/NAP
Start	226	End	487
GI	1091678	Score	194
Exons	226..487		
GI Descrip.	activator-like transposable element [Pennisetum glaucum]		
Seq. No.	31015	Seq. ID	OJ990319_09.9A06.C9
Gene No.	64227	Strand	
Start	167	End	369
Name	OJ990319_09.9A06.C9.o1.tm	Method	TBLASTX:Maize
Start	167	End	369
GI	none	Score	179
Exons	167..364, 174..368, 175..369		
Seq. No.	31015	Seq. ID	OJ990319_09.9A06.C9
Gene No.	64227	Strand	
Start	167	End	369
Name	OJ990319_09.9A06.C9.o1.tc	Method	TBLASTX:Cress

Start	174	End	369
GI	none	Score	231
Exons	174..350, 175..369		

Seq. No.	31016	Seq. ID	OJ990319_09.9A06.C11
Gene No.	64228	Strand	+
Start	1	End	5536
Name	OJ990319_09.9A06.C11.o1.np	Method	AAT/NAP
Start	1	End	1128
GI	6691716	Score	948
Exons	1..771, 969..1128		
GI Descrip.	(AP000492) hypothetical protein [Oryza sativa] gi\|6691717\|dbj\|BAA89397.1\| (AP000570) hypothetical protein [Oryza sativa]		

Seq. No.	31016	Seq. ID	OJ990319_09.9A06.C11
Gene No.	64228	Strand	+
Start	1	End	5536
Name	OJ990319_09.9A06.C11.o1.gs	Method	GENSCAN
Start	340	End	3399
GI	none	Score	.42
Exons	340..771, 858..1245, 2189..2250, 2796..2968, 3333..3399		

Seq. No.	31016	Seq. ID	OJ990319_09.9A06.C11
Gene No.	64228	Strand	+
Start	1	End	5536
Name	OJ990319_09.9A06.C11.o2.np	Method	AAT/NAP
Start	2594	End	5536
GI	5042463	Score	91
Exons	2594..2676, 4020..4162, 4208..4274, 5516..5536		
GI Descrip.	(AC007789) unknown protein [Oryza sativa]		

Seq. No.	31016	Seq. ID	OJ990319_09.9A06.C11
Gene No.	64229	Strand	+
Start	5797	End	16168
Name	OJ990319_09.9A06.C11.o3.np	Method	AAT/NAP
Start	5797	End	16035
GI	3928871	Score	3548
Exons	5797..5940, 7285..7334, 7460..7646, 8654..8819, 8904..9201, 9931..10124, 10238..10396, 11085..11145, 11678..11741, 11873..12130, 12787..13024, 13118..13230, 13321..13397, 13484..13647, 14340..14531, 14666..14774, 15133..15215, 15309..15446, 15717..15899, 15991..16035		
GI Descrip.	(AF093627) poly(ADP)-ribose polymerase [Zea mays]		

Seq. No.	31016	Seq. ID	OJ990319_09.9A06.C11
Gene No.	64229	Strand	+
Start	5797	End	16168
Name	OJ990319_09.9A06.C11.o3.gs	Method	GENSCAN
Start	7166	End	16019
GI	none	Score	.6
Exons	7166..7182, 7460..7646, 8654..8819, 8898..9197, 9931..10124, 10238..10396, 12803..13024, 13076..13230, 13321..13397, 13484..13647, 14340..14531, 15309..15446, 15717..16019		

Seq. No.	31016	Seq. ID	OJ990319_09.9A06.C11
Gene No.	64229	Strand	+

Start	5797	End	16168
Name	OJ990319_09.9A06.C11.o1.gp	Method	AAT/GAP
Start	8036	End	8760
GI	4107140	Score	1198
Exons	8036..8760		

Seq. No.	31016	Seq. ID	OJ990319_09.9A06.C11
Gene No.	64229	Strand	+
Start	5797	End	16168
Name	OJ990319_09.9A06.C11.o2.gp	Method	AAT/GAP
Start	15717	End	16168
GI	3107055	Score	640
Exons	15717..15899, 15991..16168		
GI Descrip.	2632129/emb\|CAA10889\| 9.0e-32 (AJ222589) poly(ADP-ribose) polymerase [Zea mays]		

Seq. No.	31016	Seq. ID	OJ990319_09.9A06.C11
Gene No.	64230	Strand	+
Start	19280	End	20753
Name	OJ990319_09.9A06.C11.o5.gs	Method	GENSCAN
Start	19280	End	20753
GI	none	Score	.55
Exons	19280..19401, 20394..20447, 20591..20753		

Seq. No.	31016	Seq. ID	OJ990319_09.9A06.C11
Gene No.	64231	Strand	+
Start	32976	End	34365
Name	OJ990319_09.9A06.C11.o5.np	Method	AAT/NAP
Start	32976	End	34365
GI	2809253	Score	252
Exons	32976..33846, 33912..34365		
GI Descrip.	(AC002560) F21B7.22 [Arabidopsis thaliana]		

Seq. No.	31016	Seq. ID	OJ990319_09.9A06.C11
Gene No.	64231	Strand	+
Start	32976	End	34365
Name	OJ990319_09.9A06.C11.o4.gp	Method	AAT/GAP
Start	33076	End	33364
GI	none	Score	562
Exons	33076..33364		

Seq. No.	31016	Seq. ID	OJ990319_09.9A06.C11
Gene No.	64232	Strand	+
Start	36042	End	36257
Name	OJ990319_09.9A06.C11.o10.gs	Method	GENSCAN
Start	36042	End	36257
GI	none	Score	.68
Exons	36042..36257		

Seq. No.	31016	Seq. ID	OJ990319_09.9A06.C11
Gene No.	64233	Strand	-
Start	4025	End	5876
Name	OJ990319_09.9A06.C11.o2.gs	Method	GENSCAN
Start	4025	End	5876
GI	none	Score	.4
Exons	4025..4234, 4306..4825, 5666..5729, 5786..5876		

Seq. No.	31016	Seq. ID	OJ990319_09.9A06.C11
Gene No.	64234	Strand	-
Start	16854	End	17798
Name	OJ990319_09.9A06.C11.o4.gs	Method	GENSCAN
Start	16854	End	17681
GI	none	Score	.47
Exons	16854..17681		

Seq. No.	31016	Seq. ID	OJ990319_09.9A06.C11
Gene No.	64234	Strand	-
Start	16854	End	17798
Name	OJ990319_09.9A06.C11.o3.gp	Method	AAT/GAP
Start	16866	End	17798
GI	10616_1.R1084	Score	1833
Exons	16866..17798		
GI Descrip.	'5042435/gb\|AAD38274.1\|AC006193_30 3.0e-84 (AC006193) Unknown protein [Arabidopsis thaliana]'		

Seq. No.	31016	Seq. ID	OJ990319_09.9A06.C11
Gene No.	64234	Strand	-
Start	16854	End	17798
Name	OJ990319_09.9A06.C11.o4.np	Method	AAT/NAP
Start	16917	End	17705
GI	5042435	Score	864
Exons	16917..17705		
GI Descrip.	(AC006193) Unknown protein [Arabidopsis thaliana]		

Seq. No.	31016	Seq. ID	OJ990319_09.9A06.C11
Gene No.	64235	Strand	-
Start	21745	End	22987
Name	OJ990319_09.9A06.C11.o6.gs	Method	GENSCAN
Start	21745	End	22987
GI	none	Score	.93
Exons	21745..21945, 21951..22289, 22631..22697, 22839..22987		

Seq. No.	31016	Seq. ID	OJ990319_09.9A06.C11
Gene No.	64236	Strand	-
Start	24745	End	29153
Name	OJ990319_09.9A06.C11.o7.gs	Method	GENSCAN
Start	24745	End	29153
GI	none	Score	.68
Exons	24745..24857, 27058..27221, 27660..28364, 28399..28686, 28811..28956, 28986..29153		

Seq. No.	31016	Seq. ID	OJ990319_09.9A06.C11
Gene No.	64237	Strand	-
Start	37296	End	37687
Name	OJ990319_09.9A06.C11.o1.tc	Method	TBLASTX:Cress
Start	5823	End	16038
GI	none	Score	87
Exons	5823..5939, 5827..5943, 7276..7335, 7284..7334, 7458..7526, 7460..7525, 7581..7658, 8675..8830, 8692..8829, 9056..9220, 9887..10036, 9932..10042, 10044..10124, 10049..10105, 10208..10279, 10229..10288, 11871..11978, 11871..11963, 11970..12128, 11996..12130, 11997..12134, 12754..13026, 12788..13024, 13117..13251, 13118..13231, 13268..13399, 13318..13398, 13474..13584, 13476..13517, 13546..13650,		

13584..13649, 14337..14528, 14337..14516, 14495..14542,
14657..14776, 14666..14782, 15131..15214, 15132..15215,
15308..15457, 15309..15443, 15715..15900, 15719..15901,
15720..15905, 15720..15905, 15988..16038, 15990..16022

Seq. No.	31016	Seq. ID	OJ990319_09.9A06.C11
Gene No.	64237	Strand	-
Start	37296	End	37687
Name	OJ990319_09.9A06.C11.o3.tm	Method	TBLASTX:Maize
Start	9062	End	12005
GI	none	Score	210

Exons 9062..9220, 9064..9219, 9926..10042, 9932..10042, 10044..10124,
10046..10123, 10220..10387, 10229..10390, 11099..11149,
11870..12004, 11870..12004, 11871..12005

Seq. No.	31016	Seq. ID	OJ990319_09.9A06.C11
Gene No.	64237	Strand	-
Start	37296	End	37687
Name	OJ990319_09.9A06.C11.o1.tm	Method	TBLASTX:Maize
Start	12754	End	14475
GI	none	Score	360

Exons 12754..13020, 12776..13033, 12786..13034, 12788..13024,
13117..13251, 13118..13231, 13268..13399, 13300..13398,
13322..13405, 13474..13647, 13481..13639, 13483..13647,
13487..13675, 14331..14471, 14341..14475

Seq. No.	31016	Seq. ID	OJ990319_09.9A06.C11
Gene No.	64237	Strand	-
Start	37296	End	37687
Name	OJ990319_09.9A06.C11.o2.ts	Method	TBLASTX:Soybean
Start	12791	End	13638
GI	none	Score	301

Exons 12791..12982, 12805..12981, 12974..13024, 12988..13026,
13117..13251, 13118..13231, 13277..13399, 13300..13398,
13322..13405, 13474..13584, 13482..13517, 13528..13635,
13552..13638

Seq. No.	31016	Seq. ID	OJ990319_09.9A06.C11
Gene No.	64237	Strand	-
Start	37296	End	37687
Name	OJ990319_09.9A06.C11.o2.tm	Method	TBLASTX:Maize
Start	15194	End	16047
GI	none	Score	85

Exons 15194..15220, 15314..15355, 15344..15457, 15359..15445,
15360..15446, 15360..15458, 15716..15901, 15717..15905,
15717..15905, 15988..16047, 15988..16032

Seq. No.	31016	Seq. ID	OJ990319_09.9A06.C11
Gene No.	64237	Strand	-
Start	37296	End	37687
Name	OJ990319_09.9A06.C11.o1.ts	Method	TBLASTX:Soybean
Start	17088	End	17654
GI	none	Score	95

Exons 17088..17198, 17089..17211, 17205..17654, 17206..17328,
17413..17622

Seq. No.	31016	Seq. ID	OJ990319_09.9A06.C11

Gene No.	64237	Strand	-
Start	37296	End	37687
Name	OJ990319_09.9A06.C11.o4.tm	Method	TBLASTX:Maize
Start	17424	End	17700
GI	none	Score	260
Exons	17424..17645, 17425..17700		

Seq. No.	31016	Seq. ID	OJ990319_09.9A06.C11
Gene No.	64237	Strand	-
Start	37296	End	37687
Name	OJ990319_09.9A06.C11.o6.np	Method	AAT/NAP
Start	37296	End	37687
GI	3776564	Score	102
Exons	37296..37405, 37652..37687		
GI Descrip.	(AC005388) Similar to hypothetical protein T1D16.16 gi\|3075397 from A. thaliana BAC gb\|AC004484. [Arabidopsis thaliana]		

Seq. No.	31017	Seq. ID	OJ990319_09.9A06.C12
Gene No.	64238	Strand	-
Start	1	End	1864
Name	OJ990319_09.9A06.C12.o1.np	Method	AAT/NAP
Start	1	End	1864
GI	6815062	Score	592
Exons	1..28, 271..491, 570..635, 703..801, 878..1214, 1265..1485, 1563..1864		
GI Descrip.	(AP001080) Similar to Arabidopsis thaliana chromosome II BAC F16P2 genomic sequence;mudrA like protein (AC004561) [Oryza sativa]		

Seq. No.	31017	Seq. ID	OJ990319_09.9A06.C12
Gene No.	64238	Strand	-
Start	1	End	1864
Name	OJ990319_09.9A06.C12.o1.gs	Method	GENSCAN
Start	271	End	1019
GI	none	Score	.87
Exons	271..443, 703..801, 878..1019		

Seq. No.	31017	Seq. ID	OJ990319_09.9A06.C12
Gene No.	64238	Strand	-
Start	1	End	1864
Name	OJ990319_09.9A06.C12.o1.tm	Method	TBLASTX:Maize
Start	878	End	1842
GI	none	Score	93
Exons	878..1063, 1101..1187, 1264..1473, 1265..1429, 1568..1594, 1585..1629, 1732..1842		

Seq. No.	31018	Seq. ID	OJ990319_09.9A06.C13
Gene No.	64239	Strand	+
Start	234	End	1308
Name	OJ990319_09.9A06.C13.o1.np	Method	AAT/NAP
Start	234	End	1308
GI	6815062	Score	601
Exons	234..903, 989..1222, 1272..1308		
GI Descrip.	(AP001080) Similar to Arabidopsis thaliana chromosome II BAC F16P2 genomic sequence;mudrA like protein (AC004561) [Oryza sativa]		

Seq. No.	31018	Seq. ID	OJ990319_09.9A06.C13
Gene No.	64239	Strand	+
Start	234	End	1308
Name	OJ990319_09.9A06.C13.o1.tm	Method	TBLASTX:Maize
Start	241	End	744
GI	none	Score	97
Exons	241..375, 291..365, 406..744,	486..740	

Seq. No.	31018	Seq. ID	OJ990319_09.9A06.C13
Gene No.	64239	Strand	+
Start	234	End	1308
Name	OJ990319_09.9A06.C13.o1.gs	Method	GENSCAN
Start	603	End	987
GI	none	Score	.41
Exons	603..987		

Seq. No.	31018	Seq. ID	OJ990319_09.9A06.C13
Gene No.	64239	Strand	+
Start	234	End	1308
Name	OJ990319_09.9A06.C13.o2.tm	Method	TBLASTX:Maize
Start	983	End	1192
GI	none	Score	176
Exons	983..1192, 1027..1173		

Seq. No.	31019	Seq. ID	OJ990319_09.9A06.C15
Gene No.	64240	Strand	-
Start	1	End	244
Name	OJ990319_09.9A06.C15.o1.np	Method	AAT/NAP
Start	1	End	244
GI	728835	Score	337
Exons	1..244		
GI Descrip.	**** ALU SUBFAMILY SC WARNING ENTRY ****		

Seq. No.	31020	Seq. ID	OJ990319_09.9A06.C17
Gene No.	64241	Strand	-
Start	1594	End	3718
Name	OJ990319_09.9A06.C17.o1.gp	Method	AAT/GAP
Start	1594	End	1844
GI	1339_1.R1084	Score	402
Exons	1594..1844		
GI Descrip.	'5295936/dbj\|AB026295.2\|AB026295 2.0e-10 Oryza sativa genomic DNA, chromosome 6, clone:P0681F10, complete sequence'		

Seq. No.	31020	Seq. ID	OJ990319_09.9A06.C17
Gene No.	64241	Strand	-
Start	1594	End	3718
Name	OJ990319_09.9A06.C17.o1.np	Method	AAT/NAP
Start	1597	End	3718
GI	136125	Score	1071
Exons	1597..1714, 2386..3718		
GI Descrip.	PUTATIVE AC TRANSPOSASE (ORFA) gi\|22113\|emb\|CAA29005\| (X05424) ORFa [Zea mays]		

Seq. No.	31020	Seq. ID	OJ990319_09.9A06.C17
Gene No.	64241	Strand	-
Start	1594	End	3718
Name	OJ990319_09.9A06.C17.o2.gs	Method	GENSCAN

Start	2110	End	3513
GI	none	Score	.64
Exons	2110..2160, 2259..2332, 2420..2820, 3241..3513		

Seq. No.	31020	Seq. ID	OJ990319_09.9A06.C17
Gene No.	64241	Strand	-
Start	1594	End	3718
Name	OJ990319_09.9A06.C17.o2.ts	Method	TBLASTX:Soybean
Start	2403	End	2636
GI	none	Score	83
Exons	2403..2636, 2440..2577		

Seq. No.	31020	Seq. ID	OJ990319_09.9A06.C17
Gene No.	64241	Strand	-
Start	1594	End	3718
Name	OJ990319_09.9A06.C17.o1.tm	Method	TBLASTX:Maize
Start	2419	End	3717
GI	none	Score	200
Exons	2419..2700, 2421..2714, 2425..2697, 2808..3053, 2826..3053, 3045..3545, 3068..3550, 3073..3546, 3558..3590, 3584..3715, 3592..3717		

Seq. No.	31020	Seq. ID	OJ990319_09.9A06.C17
Gene No.	64241	Strand	-
Start	1594	End	3718
Name	OJ990319_09.9A06.C17.o1.ts	Method	TBLASTX:Soybean
Start	2811	End	3233
GI	none	Score	51
Exons	2811..3062, 2928..3026, 3045..3233, 3066..3212		

Seq. No.	31020	Seq. ID	OJ990319_09.9A06.C17
Gene No.	64241	Strand	-
Start	1594	End	3718
Name	OJ990319_09.9A06.C17.o1.tw	Method	TBLASTX:Wheat
Start	3246	End	3524
GI	none	Score	199
Exons	3246..3524		

Seq. No.	31021	Seq. ID	OJ990319_09.9A06.C18
Gene No.	64242	Strand	+
Start	297	End	461
Name	OJ990319_09.9A06.C18.o1.gs	Method	GENSCAN
Start	297	End	461
GI	none	Score	.94
Exons	297..461		

Seq. No.	31021	Seq. ID	OJ990319_09.9A06.C18
Gene No.	64243	Strand	+
Start	994	End	6976
Name	OJ990319_09.9A06.C18.o2.gs	Method	GENSCAN
Start	994	End	6976
GI	none	Score	.68
Exons	994..1041, 1664..1885, 1893..2048, 3014..3070, 3137..3365, 3536..3651, 3980..4069, 4816..4880, 4976..5137, 6663..6747, 6869..6976		

Seq. No.	31021	Seq. ID	OJ990319_09.9A06.C18

Gene No.	64243	Strand	+
Start	994	End	6976
Name	OJ990319_09.9A06.C18.o2.np	Method	AAT/NAP
Start	3323	End	6973
GI	3702368	Score	760
Exons	3323..3440, 3536..3651, 3980..4069, 4816..4883, 4979..5137, 5576..5654, 5744..5821, 6557..6631, 6712..6747, 6869..6973		
GI Descrip.	(AJ001855) alpha subunit of F-actin capping protein [Arabidopsis thaliana]		

Seq. No.	31021	Seq. ID	OJ990319_09.9A06.C18
Gene No.	64244	Strand	-
Start	258	End	538
Name	OJ990319_09.9A06.C18.o1.np	Method	AAT/NAP
Start	258	End	538
GI	5295951	Score	157
Exons	258..538		
GI Descrip.	(AB026295) Similar to Herpesvirus papio BRRF2 homolog gene, partial cds.(U23857) [Oryza sativa]		

Seq. No.	31021	Seq. ID	OJ990319_09.9A06.C18
Gene No.	64245	Strand	-
Start	8166	End	8342
Name	OJ990319_09.9A06.C18.o1.tc	Method	TBLASTX:Cress
Start	3367	End	6991
GI	none	Score	94
Exons	3367..3438, 3368..3439, 3535..3654, 3561..3656, 3956..4069, 3980..4072, 4819..4884, 4970..5077, 4970..5149, 4974..5135, 5553..5657, 5576..5656, 5741..5821, 5743..5817, 6548..6634, 6866..6991, 6868..6975		

Seq. No.	31021	Seq. ID	OJ990319_09.9A06.C18
Gene No.	64245	Strand	-
Start	8166	End	8342
Name	OJ990319_09.9A06.C18.o1.ts	Method	TBLASTX:Soybean
Start	3368	End	6978
GI	none	Score	83
Exons	3368..3439, 3373..3438, 3535..3654, 3567..3653, 3980..4072, 3997..4071, 4819..4881, 4974..5135, 4982..5158, 5576..5656, 5577..5657, 5741..5821, 5743..5811, 6548..6631, 6559..6597, 6696..6749, 6709..6747, 6866..6976, 6866..6970, 6868..6978		

Seq. No.	31021	Seq. ID	OJ990319_09.9A06.C18
Gene No.	64245	Strand	-
Start	8166	End	8342
Name	OJ990319_09.9A06.C18.o1.tm	Method	TBLASTX:Maize
Start	3371	End	5184
GI	none	Score	118
Exons	3371..3439, 3373..3438, 3535..3654, 3561..3659, 3977..4069, 3980..4069, 4791..4874, 4814..4894, 4819..4881, 4970..5149, 4974..5135, 4975..5184		

Seq. No.	31021	Seq. ID	OJ990319_09.9A06.C18
Gene No.	64245	Strand	-
Start	8166	End	8342
Name	OJ990319_09.9A06.C18.o3.gs	Method	GENSCAN
Start	8166	End	8342

GI	none	Score	.75
Exons	8166..8342		

Seq. No.	31022	Seq. ID	OJ990319_09.9A06.C19
Gene No.	64246	Strand	-
Start	1	End	1021
Name	OJ990319_09.9A06.C19.o1.np	Method	AAT/NAP
Start	1	End	1021
GI	4850384	Score	312
Exons	1..410, 798..908, 973..1021		
GI Descrip.	(AC007357) F3F19.3 [Arabidopsis thaliana]		

Seq. No.	31022	Seq. ID	OJ990319_09.9A06.C19
Gene No.	64246	Strand	-
Start	1	End	1021
Name	OJ990319_09.9A06.C19.o1.tm	Method	TBLASTX:Maize
Start	6	End	410
GI	none	Score	71
Exons	6..242, 94..192, 246..410, 256..348		

Seq. No.	31022	Seq. ID	OJ990319_09.9A06.C19
Gene No.	64246	Strand	-
Start	1	End	1021
Name	OJ990319_09.9A06.C19.o1.tc	Method	TBLASTX:Cress
Start	9	End	440
GI	none	Score	95
Exons	9..332, 94..198, 351..440		

Seq. No.	31022	Seq. ID	OJ990319_09.9A06.C19
Gene No.	64246	Strand	-
Start	1	End	1021
Name	OJ990319_09.9A06.C19.o1.ts	Method	TBLASTX:Soybean
Start	9	End	251
GI	none	Score	293
Exons	9..251		

Seq. No.	31023	Seq. ID	OJ990319_09.9A06.C20
Gene No.	64247	Strand	+
Start	1819	End	2056
Name	OJ990319_09.9A06.C20.o1.gp	Method	AAT/GAP
Start	1819	End	2056
GI	702093	Score	468
Exons	1819..2056		

Seq. No.	31024	Seq. ID	OJ990319_09.9A06.C21
Gene No.	64248	Strand	+
Start	1	End	3201
Name	OJ990319_09.9A06.C21.o1.np	Method	AAT/NAP
Start	1	End	3201
GI	3776564	Score	442
Exons	1..93, 779..889, 2246..2435, 2565..2626, 2780..2882, 2957..3201		
GI Descrip.	(AC005388) Similar to hypothetical protein T1D16.16 gi\|3075397 from A. thaliana BAC gb\|AC004484. [Arabidopsis thaliana]		

Seq. No.	31024	Seq. ID	OJ990319_09.9A06.C21
Gene No.	64248	Strand	+
Start	1	End	3201

Name	OJ990319_09.9A06.C21.o1.tm	Method	TBLASTX:Maize
Start	762	End	2611
GI	none	Score	163
Exons	762..890, 775..909, 776..889, 780..896, 2235..2435, 2247..2417, 2255..2452, 2255..2455, 2554..2607, 2561..2611		

Seq. No.	31024	Seq. ID	OJ990319_09.9A06.C21
Gene No.	64248	Strand	+
Start	1	End	3201
Name	OJ990319_09.9A06.C21.o2.tm	Method	TBLASTX:Maize
Start	2778	End	3009
GI	none	Score	150
Exons	2778..2882, 2779..2883, 2780..2884, 2781..2885, 2941..3009, 2956..3009		

Seq. No.	31025	Seq. ID	OJ990319_09.9A06.C22
Gene No.	64249	Strand	+
Start	178	End	379
Name	OJ990319_09.9A06.C22.o1.gs	Method	GENSCAN
Start	178	End	379
GI	none	Score	.72
Exons	178..379		

Seq. No.	31025	Seq. ID	OJ990319_09.9A06.C22
Gene No.	64250	Strand	-
Start	1	End	470
Name	OJ990319_09.9A06.C22.o1.np	Method	AAT/NAP
Start	1	End	470
GI	3928871	Score	165
Exons	1..59, 272..470		
GI Descrip.	(AF093627) poly(ADP)-ribose polymerase [Zea mays]		

Seq. No.	31025	Seq. ID	OJ990319_09.9A06.C22
Gene No.	64250	Strand	-
Start	1	End	470
Name	OJ990319_09.9A06.C22.o1.tm	Method	TBLASTX:Maize
Start	282	End	452
GI	none	Score	61
Exons	282..443, 283..327, 285..452		

Seq. No.	31026	Seq. ID	OJ990319_09.9A06.C23
Gene No.	64251	Strand	-
Start	1	End	756
Name	OJ990319_09.9A06.C23.o1.np	Method	AAT/NAP
Start	1	End	756
GI	6721516	Score	299
Exons	1..57, 303..619, 736..756		
GI Descrip.	(AP001072) hypothetical protein [Oryza sativa]		

Seq. No.	31027	Seq. ID	OJ990319_09.9A06.C24
Gene No.	64252	Strand	+
Start	1	End	1289
Name	OJ990319_09.9A06.C24.o2.np	Method	AAT/NAP
Start	1	End	1289
GI	3281869	Score	73
Exons	1..26, 1094..1289		
GI Descrip.	(AL031004) RSZp22 splicing factor [Arabidopsis thaliana]		

gi|3435094|gb|AAD12769.1| (AF033586) 9G8-like SR protein [Arabidopsis thaliana]

Seq. No.	31028	Seq. ID	OJ990319_09.9A06.C25
Gene No.	64253	Strand	+
Start	487	End	10251
Name	OJ990319_09.9A06.C25.o1.gs	Method	GENSCAN
Start	487	End	10251
GI	none	Score	.66
Exons	487..489, 748..894, 1482..2465, 2886..3007, 3032..3222, 5596..6112, 6182..6694, 6820..7038, 8571..8652, 9553..10251		

Seq. No.	31028	Seq. ID	OJ990319_09.9A06.C25
Gene No.	64253	Strand	+
Start	487	End	10251
Name	OJ990319_09.9A06.C25.o1.np	Method	AAT/NAP
Start	805	End	3914
GI	4416302	Score	3369
Exons	805..3914		
GI Descrip.	(AF105716) copia-type pol polyprotein [Zea mays]		

Seq. No.	31028	Seq. ID	OJ990319_09.9A06.C25
Gene No.	64253	Strand	+
Start	487	End	10251
Name	OJ990319_09.9A06.C25.o2.np	Method	AAT/NAP
Start	9658	End	10233
GI	4490739	Score	364
Exons	9658..10011, 10039..10233		
GI Descrip.	(AL035708) putative protein [Arabidopsis thaliana]		

Seq. No.	31028	Seq. ID	OJ990319_09.9A06.C25
Gene No.	64254	Strand	-
Start	10581	End	11179
Name	OJ990319_09.9A06.C25.o6.tm	Method	TBLASTX:Maize
Start	633	End	1017
GI	none	Score	105
Exons	633..725, 642..725, 754..1017, 762..830, 858..986		

Seq. No.	31028	Seq. ID	OJ990319_09.9A06.C25
Gene No.	64254	Strand	-
Start	10581	End	11179
Name	OJ990319_09.9A06.C25.o4.tw	Method	TBLASTX:Wheat
Start	769	End	1086
GI	none	Score	227
Exons	769..1086, 783..1004		

Seq. No.	31028	Seq. ID	OJ990319_09.9A06.C25
Gene No.	64254	Strand	-
Start	10581	End	11179
Name	OJ990319_09.9A06.C25.o7.tm	Method	TBLASTX:Maize
Start	1035	End	1387
GI	none	Score	69
Exons	1035..1127, 1036..1125, 1116..1304, 1116..1304, 1120..1305, 1132..1311, 1304..1387		

Seq. No.	31028	Seq. ID	OJ990319_09.9A06.C25
Gene No.	64254	Strand	-

Start	10581	End	11179
Name	OJ990319_09.9A06.C25.o2.tw	Method	TBLASTX:Wheat
Start	1158	End	1733
GI	none	Score	149
Exons	1158..1298, 1159..1302, 1319..1405, 1319..1414, 1407..1733, 1445..1462, 1479..1724		

Seq. No.	31028	Seq. ID	OJ990319_09.9A06.C25
Gene No.	64254	Strand	-
Start	10581	End	11179
Name	OJ990319_09.9A06.C25.o2.tm	Method	TBLASTX:Maize
Start	1394	End	2198
GI	none	Score	109
Exons	1394..1465, 1401..1478, 1466..2044, 1467..2084, 1639..2085, 2163..2198		

Seq. No.	31028	Seq. ID	OJ990319_09.9A06.C25
Gene No.	64254	Strand	-
Start	10581	End	11179
Name	OJ990319_09.9A06.C25.o3.ts	Method	TBLASTX:Soybean
Start	1575	End	1985
GI	none	Score	336
Exons	1575..1985, 1604..1783, 1832..1984		

Seq. No.	31028	Seq. ID	OJ990319_09.9A06.C25
Gene No.	64254	Strand	-
Start	10581	End	11179
Name	OJ990319_09.9A06.C25.o1.tc	Method	TBLASTX:Cress
Start	1617	End	2033
GI	none	Score	206
Exons	1617..2033		

Seq. No.	31028	Seq. ID	OJ990319_09.9A06.C25
Gene No.	64254	Strand	-
Start	10581	End	11179
Name	OJ990319_09.9A06.C25.o5.tw	Method	TBLASTX:Wheat
Start	1818	End	2055
GI	none	Score	100
Exons	1818..1895, 1902..2048, 1910..2044, 1912..2055		

Seq. No.	31028	Seq. ID	OJ990319_09.9A06.C25
Gene No.	64254	Strand	-
Start	10581	End	11179
Name	OJ990319_09.9A06.C25.o5.tm	Method	TBLASTX:Maize
Start	2253	End	2543
GI	none	Score	297
Exons	2253..2504, 2276..2539, 2493..2543		

Seq. No.	31028	Seq. ID	OJ990319_09.9A06.C25
Gene No.	64254	Strand	-
Start	10581	End	11179
Name	OJ990319_09.9A06.C25.o1.ts	Method	TBLASTX:Soybean
Start	2271	End	2884
GI	5509260	Score	706
Exons	2271..2879, 2277..2876, 2366..2884, 2621..2884		
GI Descrip.	-		

Seq. No.	31028	Seq. ID	OJ990319_09.9A06.C25
Gene No.	64254	Strand	-
Start	10581	End	11179
Name	OJ990319_09.9A06.C25.o1.tw	Method	TBLASTX:Wheat
Start	2400	End	2876
GI	none	Score	92
Exons	2400..2489, 2513..2866, 2523..2870, 2529..2657, 2531..2869, 2700..2876		

Seq. No.	31028	Seq. ID	OJ990319_09.9A06.C25
Gene No.	64254	Strand	-
Start	10581	End	11179
Name	OJ990319_09.9A06.C25.o2.tc	Method	TBLASTX:Cress
Start	2493	End	2765
GI	none	Score	184
Exons	2493..2765, 2504..2638		

Seq. No.	31028	Seq. ID	OJ990319_09.9A06.C25
Gene No.	64254	Strand	-
Start	10581	End	11179
Name	OJ990319_09.9A06.C25.o3.tm	Method	TBLASTX:Maize
Start	2544	End	3011
GI	none	Score	559
Exons	2544..3008, 2544..2663, 2546..3004, 2697..3011		

Seq. No.	31028	Seq. ID	OJ990319_09.9A06.C25
Gene No.	64254	Strand	-
Start	10581	End	11179
Name	OJ990319_09.9A06.C25.o8.tm	Method	TBLASTX:Maize
Start	3053	End	3245
GI	none	Score	256
Exons	3053..3244, 3054..3245		

Seq. No.	31028	Seq. ID	OJ990319_09.9A06.C25
Gene No.	64254	Strand	-
Start	10581	End	11179
Name	OJ990319_09.9A06.C25.o3.tw	Method	TBLASTX:Wheat
Start	3060	End	3491
GI	none	Score	102
Exons	3060..3221, 3234..3491		

Seq. No.	31028	Seq. ID	OJ990319_09.9A06.C25
Gene No.	64254	Strand	-
Start	10581	End	11179
Name	OJ990319_09.9A06.C25.o1.tm	Method	TBLASTX:Maize
Start	3246	End	3933
GI	none	Score	883
Exons	3246..3908, 3248..3922, 3809..3913, 3811..3933		

Seq. No.	31028	Seq. ID	OJ990319_09.9A06.C25
Gene No.	64254	Strand	-
Start	10581	End	11179
Name	OJ990319_09.9A06.C25.o2.ts	Method	TBLASTX:Soybean
Start	3255	End	3941
GI	none	Score	294
Exons	3255..3638, 3260..3631, 3671..3847, 3678..3941		

Seq. No.	31028	Seq. ID	OJ990319_09.9A06.C25
Gene No.	64254	Strand	-
Start	10581	End	11179
Name	OJ990319_09.9A06.C25.o3.tc	Method	TBLASTX:Cress
Start	3435	End	3893
GI	none	Score	54
Exons	3435..3497, 3528..3638, 3666..3893, 3674..3841		

Seq. No.	31028	Seq. ID	OJ990319_09.9A06.C25
Gene No.	64254	Strand	-
Start	10581	End	11179
Name	OJ990319_09.9A06.C25.o4.tm	Method	TBLASTX:Maize
Start	9646	End	9966
GI	none	Score	430
Exons	9646..9966, 9654..9962		

Seq. No.	31028	Seq. ID	OJ990319_09.9A06.C25
Gene No.	64254	Strand	-
Start	10581	End	11179
Name	OJ990319_09.9A06.C25.o4.ts	Method	TBLASTX:Soybean
Start	9655	End	9972
GI	none	Score	67
Exons	9655..9699, 9736..9972, 9744..9962		

Seq. No.	31028	Seq. ID	OJ990319_09.9A06.C25
Gene No.	64254	Strand	-
Start	10581	End	11179
Name	OJ990319_09.9A06.C25.o2.gs	Method	GENSCAN
Start	10581	End	11179
GI	none	Score	.79
Exons	10581..10666, 11134..11179		

Seq. No.	31029	Seq. ID	OJ990319_09.9A06.C26
Gene No.	64255	Strand	+
Start	2015	End	2114
Name	OJ990319_09.9A06.C26.o1.gs	Method	GENSCAN
Start	2015	End	2114
GI	none	Score	.55
Exons	2015..2114		

Seq. No.	31029	Seq. ID	OJ990319_09.9A06.C26
Gene No.	64256	Strand	+
Start	2206	End	7050
Name	OJ990319_09.9A06.C26.o1.np	Method	AAT/NAP
Start	2206	End	7050
GI	6539553	Score	812
Exons	2206..2282, 6442..7050		
GI Descrip.	(AP000836) Similar to Oryza australiensis retrotransposon RIRE1 (D85597) [Oryza sativa] gi\|6539590\|dbj\|BAA88206.1\| (AP000837) Similar to Oryza australiensis retrotransposon RIRE1 (D85597) [Oryza sativa]		

Seq. No.	31029	Seq. ID	OJ990319_09.9A06.C26
Gene No.	64257	Strand	+
Start	13943	End	16274
Name	OJ990319_09.9A06.C26.o2.np	Method	AAT/NAP
Start	13943	End	16274

GI	5091617	Score	508
Exons	13943..14763, 16249..16274		
GI Descrip.	(AC007454) Contains similarity to gi\|479356 protein kinase PK1 from Zea mays, is a member of the PF\|00954 S-locus glycoprotein family and contains a PF\|00069 Eukaryotic protein kinase domain. [Arabidopsis thaliana]		

Seq. No.	31029	Seq. ID	OJ990319_09.9A06.C26
Gene No.	64258	Strand	-
Start	11581	End	21376
Name	OJ990319_09.9A06.C26.o1.tw	Method	TBLASTX:Wheat
Start	6449	End	6922
GI	none	Score	87
Exons	6449..6523, 6449..6523, 6538..6891, 6538..6723, 6539..6922, 6539..6889, 6811..6918		

Seq. No.	31029	Seq. ID	OJ990319_09.9A06.C26
Gene No.	64258	Strand	-
Start	11581	End	21376
Name	OJ990319_09.9A06.C26.o3.gs	Method	GENSCAN
Start	11581	End	21296
GI	none	Score	.51
Exons	11581..11688, 11987..12033, 12585..12614, 13847..13968, 14122..14819, 14875..14998, 15614..15780, 15866..15956, 16084..16113, 16204..16314, 16400..16637, 16743..16838, 16881..17259, 17314..17687, 17993..18080, 18370..18882, 19059..19104, 21121..21296		

Seq. No.	31029	Seq. ID	OJ990319_09.9A06.C26
Gene No.	64258	Strand	-
Start	11581	End	21376
Name	OJ990319_09.9A06.C26.o1.tc	Method	TBLASTX:Cress
Start	14445	End	14764
GI	none	Score	143
Exons	14445..14603, 14453..14533, 14613..14762, 14624..14764		

Seq. No.	31029	Seq. ID	OJ990319_09.9A06.C26
Gene No.	64258	Strand	-
Start	11581	End	21376
Name	OJ990319_09.9A06.C26.o1.ts	Method	TBLASTX:Soybean
Start	14445	End	14737
GI	none	Score	305
Exons	14445..14735, 14447..14578, 14645..14737		

Seq. No.	31029	Seq. ID	OJ990319_09.9A06.C26
Gene No.	64258	Strand	-
Start	11581	End	21376
Name	OJ990319_09.9A06.C26.o2.tw	Method	TBLASTX:Wheat
Start	14463	End	14762
GI	none	Score	253
Exons	14463..14762, 14627..14734		

Seq. No.	31029	Seq. ID	OJ990319_09.9A06.C26
Gene No.	64258	Strand	-
Start	11581	End	21376
Name	OJ990319_09.9A06.C26.o1.tm	Method	TBLASTX:Maize
Start	14492	End	14739

GI	none	Score	170
Exons	14492..14602, 14493..14603, 14493..14609, 14516..14674, 14594..14737, 14601..14738, 14680..14739		

Seq. No.	31029	Seq. ID	OJ990319_09.9A06.C26
Gene No.	64258	Strand	-
Start	11581	End	21376
Name	OJ990319_09.9A06.C26.o1.gp	Method	AAT/GAP
Start	16499	End	17044
GI	LIB3431-004-P1-K1-F8	Score	818
Exons	16499..16651, 16730..17044		
GI Descrip.	'3080439/emb\|CAA18756.1\| 2.0e-14 (AL022605) putative protein [Arabidopsis thaliana]'		

Seq. No.	31029	Seq. ID	OJ990319_09.9A06.C26
Gene No.	64258	Strand	-
Start	11581	End	21376
Name	OJ990319_09.9A06.C26.o3.np	Method	AAT/NAP
Start	17161	End	21376
GI	6523547	Score	178
Exons	17161..17444, 21128..21376		
GI Descrip.	(AJ242540) hydroxyproline-rich glycoprotein DZ-HRGP [Volvox carteri f. nagariensis]		

Seq. No.	31030	Seq. ID	OJ990319_09.9A06.C27
Gene No.	64259	Strand	-
Start	444	End	1745
Name	OJ990319_09.9A06.C27.o1.gs	Method	GENSCAN
Start	444	End	1601
GI	none	Score	.71
Exons	444..1098, 1153..1601		

Seq. No.	31030	Seq. ID	OJ990319_09.9A06.C27
Gene No.	64259	Strand	-
Start	444	End	1745
Name	OJ990319_09.9A06.C27.o1.np	Method	AAT/NAP
Start	729	End	1745
GI	4680203	Score	472
Exons	729..1477, 1719..1745		
GI Descrip.	(AF114171) TNP2-like protein [Sorghum bicolor]		

Seq. No.	31030	Seq. ID	OJ990319_09.9A06.C27
Gene No.	64259	Strand	-
Start	444	End	1745
Name	OJ990319_09.9A06.C27.o1.tw	Method	TBLASTX:Wheat
Start	732	End	1744
GI	none	Score	40
Exons	732..833, 781..831, 862..933, 864..953, 864..953, 930..1130, 958..1089, 1152..1652, 1177..1254, 1333..1632, 1464..1634, 1660..1743, 1682..1744		

Seq. No.	31030	Seq. ID	OJ990319_09.9A06.C27
Gene No.	64259	Strand	-
Start	444	End	1745
Name	OJ990319_09.9A06.C27.o2.tm	Method	TBLASTX:Maize
Start	964	End	1256
GI	none	Score	88

Exons	964..1074, 966..1073, 1080..1256, 1081..1239		
Seq. No.	31030	Seq. ID	OJ990319_09.9A06.C27
Gene No.	64259	Strand	-
Start	444	End	1745
Name	OJ990319_09.9A06.C27.o1.tc	Method	TBLASTX:Cress
Start	1152	End	1574
GI	none	Score	38
Exons	1152..1574, 1177..1254, 1333..1566		
Seq. No.	31030	Seq. ID	OJ990319_09.9A06.C27
Gene No.	64259	Strand	-
Start	444	End	1745
Name	OJ990319_09.9A06.C27.o1.tm	Method	TBLASTX:Maize
Start	1506	End	1743
GI	none	Score	111
Exons	1506..1673, 1507..1650, 1657..1743, 1664..1738		
Seq. No.	31030	Seq. ID	OJ990319_09.9A06.C27
Gene No.	64259	Strand	-
Start	444	End	1745
Name	OJ990319_09.9A06.C27.o2.np	Method	AAT/NAP
Start	1515	End	1745
GI	4558686	Score	122
Exons	1515..1745		
GI Descrip.	(AC006586) putative TNP2-like transposon protein [Arabidopsis thaliana]		
Seq. No.	31031	Seq. ID	OJ990319_09.9A06.C28
Gene No.	64260	Strand	-
Start	1	End	861
Name	OJ990319_09.9A06.C28.o1.np	Method	AAT/NAP
Start	1	End	861
GI	5911167	Score	673
Exons	1..699, 727..861		
GI Descrip.	(AF136221) putative transposase protein [Zea mays]		
Seq. No.	31031	Seq. ID	OJ990319_09.9A06.C28
Gene No.	64260	Strand	-
Start	1	End	861
Name	OJ990319_09.9A06.C28.o1.gs	Method	GENSCAN
Start	44	End	810
GI	none	Score	.45
Exons	44..314, 576..810		
Seq. No.	31031	Seq. ID	OJ990319_09.9A06.C28
Gene No.	64260	Strand	-
Start	1	End	861
Name	OJ990319_09.9A06.C28.o1.tw	Method	TBLASTX:Wheat
Start	271	End	585
GI	none	Score	182
Exons	271..585, 287..556		
Seq. No.	31031	Seq. ID	OJ990319_09.9A06.C28
Gene No.	64260	Strand	-
Start	1	End	861
Name	OJ990319_09.9A06.C28.o1.tc	Method	TBLASTX:Cress

Start	358	End	705
GI	none	Score	63
Exons	358..705, 413..520, 554..604		

Seq. No.	31031	Seq. ID	OJ990319_09.9A06.C28
Gene No.	64260	Strand	-
Start	1	End	861
Name	OJ990319_09.9A06.C28.o1.tm	Method	TBLASTX:Maize
Start	378	End	595
GI	none	Score	106
Exons	378..584, 379..585, 379..585, 389..595		

Seq. No.	31031	Seq. ID	OJ990319_09.9A06.C28
Gene No.	64260	Strand	-
Start	1	End	861
Name	OJ990319_09.9A06.C28.o1.ts	Method	TBLASTX:Soybean
Start	439	End	855
GI	none	Score	134
Exons	439..678, 440..679, 760..855		

Seq. No.	31032	Seq. ID	OJ990319_09.9A06.C29
Gene No.	64261	Strand	-
Start	1	End	236
Name	OJ990319_09.9A06.C29.o1.np	Method	AAT/NAP
Start	1	End	236
GI	2632129	Score	212
Exons	1..236		
GI Descrip.	(AJ222589) poly(ADP-ribose) polymerase [Zea mays]		

Seq. No.	31032	Seq. ID	OJ990319_09.9A06.C29
Gene No.	64261	Strand	-
Start	1	End	236
Name	OJ990319_09.9A06.C29.o1.gs	Method	GENSCAN
Start	12	End	236
GI	none	Score	.74
Exons	12..236		

Seq. No.	31033	Seq. ID	OJ990319_09.9A06.C30
Gene No.	64262	Strand	+
Start	166	End	300
Name	OJ990319_09.9A06.C30.o1.gs	Method	GENSCAN
Start	166	End	300
GI	none	Score	.97
Exons	166..300		

Seq. No.	31034	Seq. ID	OJ990319_09.9A06.C32
Gene No.	64263	Strand	-
Start	1	End	600
Name	OJ990319_09.9A06.C32.o1.np	Method	AAT/NAP
Start	1	End	600
GI	728835	Score	475
Exons	1..240, 328..600		
GI Descrip.	**** ALU SUBFAMILY SC WARNING ENTRY ****		

Seq. No.	31035	Seq. ID	OJ990319_09.9A06.C33
Gene No.	64264	Strand	+
Start	208	End	421

Name	OJ990319_09.9A06.C33.o1.gs	Method	GENSCAN
Start	208	End	421
GI	none	Score	.73
Exons	208..421		

Seq. No.	31036	Seq. ID	OJ990319_09.9A06.C37
Gene No.	64265	Strand	+
Start	1	End	204
Name	OJ990319_09.9A06.C37.o1.np	Method	AAT/NAP
Start	1	End	190
GI	3702368	Score	118
Exons	1..190		
GI Descrip.	(AJ001855) alpha subunit of F-actin capping protein [Arabidopsis thaliana]		

Seq. No.	31036	Seq. ID	OJ990319_09.9A06.C37
Gene No.	64265	Strand	+
Start	1	End	204
Name	OJ990319_09.9A06.C37.o1.gs	Method	GENSCAN
Start	86	End	204
GI	none	Score	.49
Exons	86..204		

Seq. No.	31037	Seq. ID	OJ990709_05.9A01.C1
Gene No.	64266	Strand	-
Start	1	End	590
Name	OJ990709_05.9A01.C1.o1.np	Method	AAT/NAP
Start	1	End	508
GI	3645898	Score	320
Exons	1..508		
GI Descrip.	(U68408) in-frame stop codon; possibly a post-transposition mutation [Zea mays]		

Seq. No.	31037	Seq. ID	OJ990709_05.9A01.C1
Gene No.	64266	Strand	-
Start	1	End	590
Name	OJ990709_05.9A01.C1.o1.tm	Method	TBLASTX:Maize
Start	42	End	284
GI	none	Score	57
Exons	42..284, 43..165		

Seq. No.	31037	Seq. ID	OJ990709_05.9A01.C1
Gene No.	64266	Strand	-
Start	1	End	590
Name	OJ990709_05.9A01.C1.o1.gs	Method	GENSCAN
Start	72	End	590
GI	none	Score	.98
Exons	72..590		

Seq. No.	31038	Seq. ID	OJ990709_05.9A01.C2
Gene No.	64267	Strand	-
Start	4068	End	6992
Name	OJ990709_05.9A01.C2.o1.np	Method	AAT/NAP
Start	4068	End	6992
GI	4416302	Score	3515
Exons	4068..5752, 5813..6992		
GI Descrip.	(AF105716) copia-type pol polyprotein [Zea mays]		

Seq. No.	31038	Seq. ID	OJ990709_05.9A01.C2
Gene No.	64267	Strand	-
Start	4068	End	6992
Name	OJ990709_05.9A01.C2.o1.tm	Method	TBLASTX:Maize
Start	4068	End	4745
GI	none	Score	216
Exons	4068..4379, 4074..4745, 4135..4737		

Seq. No.	31038	Seq. ID	OJ990709_05.9A01.C2
Gene No.	64267	Strand	-
Start	4068	End	6992
Name	OJ990709_05.9A01.C2.o2.ts	Method	TBLASTX:Soybean
Start	4086	End	4727
GI	none	Score	46
Exons	4086..4319, 4209..4304, 4329..4727, 4339..4518		

Seq. No.	31038	Seq. ID	OJ990709_05.9A01.C2
Gene No.	64267	Strand	-
Start	4068	End	6992
Name	OJ990709_05.9A01.C2.o1.tc	Method	TBLASTX:Cress
Start	4089	End	4547
GI	none	Score	71
Exons	4089..4301, 4320..4454, 4458..4547		

Seq. No.	31038	Seq. ID	OJ990709_05.9A01.C2
Gene No.	64267	Strand	-
Start	4068	End	6992
Name	OJ990709_05.9A01.C2.o3.tw	Method	TBLASTX:Wheat
Start	4134	End	4589
GI	none	Score	60
Exons	4134..4310, 4135..4254, 4137..4304, 4332..4589, 4333..4434		

Seq. No.	31038	Seq. ID	OJ990709_05.9A01.C2
Gene No.	64267	Strand	-
Start	4068	End	6992
Name	OJ990709_05.9A01.C2.o6.tm	Method	TBLASTX:Maize
Start	4746	End	4929
GI	none	Score	161
Exons	4746..4928, 4747..4929, 4783..4929		

Seq. No.	31038	Seq. ID	OJ990709_05.9A01.C2
Gene No.	64267	Strand	-
Start	4068	End	6992
Name	OJ990709_05.9A01.C2.o3.tm	Method	TBLASTX:Maize
Start	4988	End	5437
GI	none	Score	481
Exons	4988..5437, 4989..5435		

Seq. No.	31038	Seq. ID	OJ990709_05.9A01.C2
Gene No.	64267	Strand	-
Start	4068	End	6992
Name	OJ990709_05.9A01.C2.o1.ts	Method	TBLASTX:Soybean
Start	5097	End	5705
GI	5509260	Score	249
Exons	5097..5480, 5099..5488, 5099..5479, 5484..5705, 5486..5704		
GI Descrip.	-		

Seq. No.	31038	Seq. ID	OJ990709_05.9A01.C2
Gene No.	64267	Strand	-
Start	4068	End	6992
Name	OJ990709_05.9A01.C2.o2.tw	Method	TBLASTX:Wheat
Start	5111	End	5579
GI	none	Score	242
Exons	5111..5458, 5124..5456, 5486..5563, 5487..5579		

Seq. No.	31038	Seq. ID	OJ990709_05.9A01.C2
Gene No.	64267	Strand	-
Start	4068	End	6992
Name	OJ990709_05.9A01.C2.o2.tc	Method	TBLASTX:Cress
Start	5216	End	5497
GI	none	Score	74
Exons	5216..5497, 5343..5492		

Seq. No.	31038	Seq. ID	OJ990709_05.9A01.C2
Gene No.	64267	Strand	-
Start	4068	End	6992
Name	OJ990709_05.9A01.C2.o4.tm	Method	TBLASTX:Maize
Start	5438	End	5767
GI	none	Score	290
Exons	5438..5767, 5439..5729, 5441..5731		

Seq. No.	31038	Seq. ID	OJ990709_05.9A01.C2
Gene No.	64267	Strand	-
Start	4068	End	6992
Name	OJ990709_05.9A01.C2.o2.tm	Method	TBLASTX:Maize
Start	6077	End	6740
GI	none	Score	86
Exons	6077..6199, 6090..6200, 6199..6666, 6200..6640, 6244..6666, 6665..6739, 6667..6738, 6672..6740		

Seq. No.	31038	Seq. ID	OJ990709_05.9A01.C2
Gene No.	64267	Strand	-
Start	4068	End	6992
Name	OJ990709_05.9A01.C2.o4.tw	Method	TBLASTX:Wheat
Start	6077	End	6315
GI	none	Score	76
Exons	6077..6196, 6090..6194, 6238..6315		

Seq. No.	31038	Seq. ID	OJ990709_05.9A01.C2
Gene No.	64267	Strand	-
Start	4068	End	6992
Name	OJ990709_05.9A01.C2.o3.ts	Method	TBLASTX:Soybean
Start	6098	End	6558
GI	none	Score	39
Exons	6098..6202, 6247..6558, 6254..6322, 6368..6475		

Seq. No.	31038	Seq. ID	OJ990709_05.9A01.C2
Gene No.	64267	Strand	-
Start	4068	End	6992
Name	OJ990709_05.9A01.C2.o1.tw	Method	TBLASTX:Wheat
Start	6403	End	6975
GI	none	Score	120
Exons	6403..6687, 6404..6691, 6689..6715, 6689..6715, 6727..6975,		

6746..6973

Seq. No.	31038	Seq. ID	OJ990709_05.9A01.C2
Gene No.	64267	Strand	-
Start	4068	End	6992
Name	OJ990709_05.9A01.C2.o5.tm	Method	TBLASTX:Maize
Start	6742	End	6992
GI	none	Score	220
Exons	6742..6990, 6746..6991, 6753..6992, 6753..6992		

Seq. No.	31039	Seq. ID	OJ990709_05.9A01.C3
Gene No.	64268	Strand	-
Start	1	End	977
Name	OJ990709_05.9A01.C3.o1.np	Method	AAT/NAP
Start	1	End	977
GI	3645898	Score	188
Exons	1..130, 203..675, 739..977		
GI Descrip.	(U68408) in-frame stop codon; possibly a post-transposition mutation [Zea mays]		

Seq. No.	31039	Seq. ID	OJ990709_05.9A01.C3
Gene No.	64268	Strand	-
Start	1	End	977
Name	OJ990709_05.9A01.C3.o1.gs	Method	GENSCAN
Start	68	End	723
GI	none	Score	.72
Exons	68..723		

Seq. No.	31040	Seq. ID	OJ990709_05.9A01.C4
Gene No.	64269	Strand	+
Start	97	End	2715
Name	OJ990709_05.9A01.C4.o1.gs	Method	GENSCAN
Start	97	End	2419
GI	none	Score	.4
Exons	97..303, 309..486, 1754..1884, 2342..2419		

Seq. No.	31040	Seq. ID	OJ990709_05.9A01.C4
Gene No.	64269	Strand	+
Start	97	End	2715
Name	OJ990709_05.9A01.C4.o1.np	Method	AAT/NAP
Start	285	End	2715
GI	5803270	Score	278
Exons	285..451, 526..669, 1074..1173, 2661..2715		
GI Descrip.	(AP000399) hypothetical protein [Oryza sativa]		

Seq. No.	31040	Seq. ID	OJ990709_05.9A01.C4
Gene No.	64270	Strand	+
Start	10532	End	11296
Name	OJ990709_05.9A01.C4.o1.gp	Method	AAT/GAP
Start	10410	End	11109
GI	702740	Score	718
Exons	10410..10694, 11007..11109		
GI Descrip.	3080439/emb\|CAA18756.1\| 2.0e-14 (AL022605) putative protein [Arabidopsis thaliana]		

Seq. No.	31040	Seq. ID	OJ990709_05.9A01.C4
Gene No.	64270	Strand	+

Start	10532	End	11296
Name	OJ990709_05.9A01.C4.o2.np	Method	AAT/NAP
Start	10526	End	11293
GI	3080439	Score	372
Exons	10526..10694, 11007..11293		
GI Descrip.	(AL022605) putative protein [Arabidopsis thaliana]		

Seq. No.	31040	Seq. ID	OJ990709_05.9A01.C4
Gene No.	64270	Strand	+
Start	10532	End	11296
Name	OJ990709_05.9A01.C4.o4.gs	Method	GENSCAN
Start	10532	End	11296
GI	none	Score	.86
Exons	10532..10694, 11007..11296		

Seq. No.	31040	Seq. ID	OJ990709_05.9A01.C4
Gene No.	64271	Strand	+
Start	20425	End	23793
Name	OJ990709_05.9A01.C4.o6.gs	Method	GENSCAN
Start	20425	End	23793
GI	none	Score	.52
Exons	20425..20427, 20532..20577, 22278..22381, 22435..23091, 23710..23793		

Seq. No.	31040	Seq. ID	OJ990709_05.9A01.C4
Gene No.	64272	Strand	-
Start	2873	End	3485
Name	OJ990709_05.9A01.C4.o2.gs	Method	GENSCAN
Start	2873	End	3485
GI	none	Score	.85
Exons	2873..2987, 3358..3485		

Seq. No.	31040	Seq. ID	OJ990709_05.9A01.C4
Gene No.	64273	Strand	-
Start	16876	End	18604
Name	OJ990709_05.9A01.C4.o1.tm	Method	TBLASTX:Maize
Start	10597	End	11296
GI	none	Score	71
Exons	10597..10674, 10607..10714, 11005..11139, 11006..11140, 11165..11296, 11260..11295		

Seq. No.	31040	Seq. ID	OJ990709_05.9A01.C4
Gene No.	64273	Strand	-
Start	16876	End	18604
Name	OJ990709_05.9A01.C4.o1.tc	Method	TBLASTX:Cress
Start	11005	End	11320
GI	none	Score	110
Exons	11005..11118, 11006..11110, 11104..11163, 11105..11164, 11150..11320, 11230..11304		

Seq. No.	31040	Seq. ID	OJ990709_05.9A01.C4
Gene No.	64273	Strand	-
Start	16876	End	18604
Name	OJ990709_05.9A01.C4.o3.np	Method	AAT/NAP
Start	16876	End	18604
GI	6721512	Score	81
Exons	16876..17011, 18264..18288, 18329..18467, 18496..18604		

GI Descrip. (AP001072) hypothetical protein [Oryza sativa]

Seq. No.	31041	Seq. ID	OJ990709_05.9A01.C5
Gene No.	64274	Strand	+
Start	41	End	1532
Name	OJ990709_05.9A01.C5.o1.gs	Method	GENSCAN
Start	41	End	1532
GI	none	Score	.6
Exons	41..128, 299..454, 1438..1532		

Seq. No.	31042	Seq. ID	OJ990709_05.9A01.C6
Gene No.	64275	Strand	-
Start	4052	End	6067
Name	OJ990709_05.9A01.C6.o1.np	Method	AAT/NAP
Start	4052	End	6067
GI	479357	Score	938
Exons	4052..4214, 4305..5782, 5864..6067		
GI Descrip.	hypothetical protein 612 - maize transposon MuA2 gi\|22375\|emb\|CAA44165\| (X62251) ORF [Zea mays]		

Seq. No.	31042	Seq. ID	OJ990709_05.9A01.C6
Gene No.	64276	Strand	-
Start	7995	End	8163
Name	OJ990709_05.9A01.C6.o2.tm	Method	TBLASTX:Maize
Start	4332	End	4778
GI	none	Score	65
Exons	4332..4511, 4344..4517, 4521..4778, 4543..4665		

Seq. No.	31042	Seq. ID	OJ990709_05.9A01.C6
Gene No.	64276	Strand	-
Start	7995	End	8163
Name	OJ990709_05.9A01.C6.o1.tm	Method	TBLASTX:Maize
Start	4779	End	5409
GI	none	Score	84
Exons	4779..5051, 4794..5054, 4795..5067, 5058..5309, 5058..5408, 5062..5409		

Seq. No.	31042	Seq. ID	OJ990709_05.9A01.C6
Gene No.	64276	Strand	-
Start	7995	End	8163
Name	OJ990709_05.9A01.C6.o3.tm	Method	TBLASTX:Maize
Start	5472	End	5715
GI	none	Score	93
Exons	5472..5705, 5476..5715		

Seq. No.	31042	Seq. ID	OJ990709_05.9A01.C6
Gene No.	64276	Strand	-
Start	7995	End	8163
Name	OJ990709_05.9A01.C6.o3.np	Method	AAT/NAP
Start	7995	End	8163
GI	5852084	Score	96
Exons	7995..8163		
GI Descrip.	(AL117264) zwh0007.1 [Oryza sativa]		

Seq. No.	31043	Seq. ID	OJ990709_05.9A01.C7
Gene No.	64277	Strand	+
Start	138	End	378

Name	OJ990709_05.9A01.C7.o1.gs	Method	GENSCAN
Start	138	End	378
GI	none	Score	.55
Exons	138..257, 361..378		

Seq. No.	31044	Seq. ID	OJ990709_05.9A01.C8
Gene No.	64278	Strand	+
Start	2393	End	2969
Name	OJ990709_05.9A01.C8.o1.np	Method	AAT/NAP
Start	2393	End	2969
GI	3004480	Score	221
Exons	2393..2969		
GI Descrip.	(AJ228333) reverse transcriptase [Pinus elliottii]		

Seq. No.	31044	Seq. ID	OJ990709_05.9A01.C8
Gene No.	64279	Strand	+
Start	3817	End	4055
Name	OJ990709_05.9A01.C8.o1.tm	Method	TBLASTX:Maize
Start	2599	End	3195
GI	none	Score	44
Exons	2599..2661, 2610..2681, 2678..2869, 2750..2860, 2853..3011, 2939..3001, 3012..3191, 3013..3195		

Seq. No.	31044	Seq. ID	OJ990709_05.9A01.C8
Gene No.	64279	Strand	+
Start	3817	End	4055
Name	OJ990709_05.9A01.C8.o2.gs	Method	GENSCAN
Start	3817	End	4055
GI	none	Score	.93
Exons	3817..4055		

Seq. No.	31045	Seq. ID	OJ990709_05.9A01.C9
Gene No.	64280	Strand	+
Start	2037	End	4097
Name	OJ990709_05.9A01.C9.o1.np	Method	AAT/NAP
Start	2037	End	4097
GI	3928543	Score	1283
Exons	2037..2384, 2412..2568, 3164..4097		
GI Descrip.	(AB016819) UDP-glucose glucosyltransferase [Arabidopsis thaliana]		

Seq. No.	31045	Seq. ID	OJ990709_05.9A01.C9
Gene No.	64280	Strand	+
Start	2037	End	4097
Name	OJ990709_05.9A01.C9.o1.gp	Method	AAT/GAP
Start	3443	End	3761
GI	LIB3477-004-P1-K1-F3	Score	522
Exons	3443..3761		
GI Descrip.	'3928543/dbj\|BAA34687\| 1.0e-23 (AB016819) UDP-glucose glucosyltransferase [Arabidopsis thaliana]'		

Seq. No.	31045	Seq. ID	OJ990709_05.9A01.C9
Gene No.	64281	Strand	+
Start	9043	End	13137
Name	OJ990709_05.9A01.C9.o1.tc	Method	TBLASTX:Cress
Start	2058	End	4022
GI	none	Score	160

Exons	2058..2180, 2063..2161, 2232..2339, 2412..2534, 2526..2567, 3166..3222, 3174..3215, 3229..3774, 3249..3506, 3543..3740, 3776..3988, 3777..4022		
Seq. No.	31045	Seq. ID	OJ990709_05.9A01.C9
Gene No.	64281	Strand	+
Start	9043	End	13137
Name	OJ990709_05.9A01.C9.o1.ts	Method	TBLASTX:Soybean
Start	2058	End	4091
GI	none	Score	165
Exons	2058..2180, 2060..2161, 2232..2279, 2412..2543, 3166..3222, 3166..3222, 3229..3432, 3249..3422, 3445..3774, 3477..3755, 3776..4087, 3777..4091		
Seq. No.	31045	Seq. ID	OJ990709_05.9A01.C9
Gene No.	64281	Strand	+
Start	9043	End	13137
Name	OJ990709_05.9A01.C9.o2.tm	Method	TBLASTX:Maize
Start	2060	End	3495
GI	none	Score	343
Exons	2060..2161, 2061..2339, 2246..2338, 2320..2361, 2411..2545, 2412..2543, 3161..3262, 3165..3494, 3166..3495		
Seq. No.	31045	Seq. ID	OJ990709_05.9A01.C9
Gene No.	64281	Strand	+
Start	9043	End	13137
Name	OJ990709_05.9A01.C9.o2.tw	Method	TBLASTX:Wheat
Start	2060	End	2333
GI	none	Score	174
Exons	2060..2161, 2061..2180, 2232..2333, 2246..2332		
Seq. No.	31045	Seq. ID	OJ990709_05.9A01.C9
Gene No.	64281	Strand	+
Start	9043	End	13137
Name	OJ990709_05.9A01.C9.o1.tm	Method	TBLASTX:Maize
Start	3504	End	4097
GI	none	Score	236
Exons	3504..3662, 3508..3678, 3511..3666, 3667..3774, 3717..3773, 3768..3953, 3770..3895, 3776..4093, 3777..4097		
Seq. No.	31045	Seq. ID	OJ990709_05.9A01.C9
Gene No.	64281	Strand	+
Start	9043	End	13137
Name	OJ990709_05.9A01.C9.o1.tw	Method	TBLASTX:Wheat
Start	3517	End	3904
GI	none	Score	162
Exons	3517..3672, 3520..3642, 3531..3662, 3706..3762, 3732..3764, 3768..3899, 3770..3859, 3776..3904, 3777..3902		
Seq. No.	31045	Seq. ID	OJ990709_05.9A01.C9
Gene No.	64281	Strand	+
Start	9043	End	13137
Name	OJ990709_05.9A01.C9.o2.np	Method	AAT/NAP
Start	9043	End	11860
GI	1091678	Score	643
Exons	9043..10698, 11822..11860		
GI Descrip.	activator-like transposable element [Pennisetum glaucum]		

Seq. No.	31045	Seq. ID	OJ990709_05.9A01.C9
Gene No.	64281	Strand	+
Start	9043	End	13137
Name	OJ990709_05.9A01.C9.o3.tm	Method	TBLASTX:Maize
Start	9394	End	10701
GI	none	Score	93
Exons	9394..9540, 9535..9756, 9805..9894, 9904..10281, 10387..10479, 10498..10605, 10498..10593, 10621..10701		

Seq. No.	31045	Seq. ID	OJ990709_05.9A01.C9
Gene No.	64281	Strand	+
Start	9043	End	13137
Name	OJ990709_05.9A01.C9.o4.ts	Method	TBLASTX:Soybean
Start	9496	End	9840
GI	none	Score	179
Exons	9496..9771, 9805..9840		

Seq. No.	31045	Seq. ID	OJ990709_05.9A01.C9
Gene No.	64281	Strand	+
Start	9043	End	13137
Name	OJ990709_05.9A01.C9.o2.ts	Method	TBLASTX:Soybean
Start	9907	End	10284
GI	none	Score	206
Exons	9907..10284		

Seq. No.	31045	Seq. ID	OJ990709_05.9A01.C9
Gene No.	64281	Strand	+
Start	9043	End	13137
Name	OJ990709_05.9A01.C9.o3.ts	Method	TBLASTX:Soybean
Start	10489	End	10704
GI	none	Score	199
Exons	10489..10704, 10489..10584, 10497..10613		

Seq. No.	31045	Seq. ID	OJ990709_05.9A01.C9
Gene No.	64281	Strand	+
Start	9043	End	13137
Name	OJ990709_05.9A01.C9.o3.gs	Method	GENSCAN
Start	11187	End	13137
GI	none	Score	.56
Exons	11187..11195, 11716..11913, 12072..12124, 12438..12489, 12814..12954, 13111..13137		

Seq. No.	31046	Seq. ID	OJ990709_05.9A01.C10
Gene No.	64282	Strand	+
Start	255	End	3807
Name	OJ990709_05.9A01.C10.o1.gp	Method	AAT/GAP
Start	255	End	3807
GI	16027_1.R1084	Score	1680
Exons	255..442, 2747..2844, 2958..3079, 3306..3807		
GI Descrip.	'3600033 9.0e-52 (AF080119) contains similarity to the N terminal domain of the E1 protein (Pfam: E1_N.hmm, score: 12.36) [Arabidopsis thaliana]'		

Seq. No.	31046	Seq. ID	OJ990709_05.9A01.C10
Gene No.	64282	Strand	+
Start	255	End	3807

Name	OJ990709_05.9A01.C10.o1.np	Method	AAT/NAP
Start	2049	End	3543
GI	3757527	Score	433
Exons	2049..2130, 2960..3079, 3306..3543		
GI Descrip.	(AC005167) 50S ribosomal protein L27 [Arabidopsis thaliana]		

Seq. No.	31046	Seq. ID	OJ990709_05.9A01.C10
Gene No.	64282	Strand	+
Start	255	End	3807
Name	OJ990709_05.9A01.C10.o2.gs	Method	GENSCAN
Start	2766	End	3542
GI	none	Score	1
Exons	2766..2844, 2958..3079, 3306..3542		

Seq. No.	31046	Seq. ID	OJ990709_05.9A01.C10
Gene No.	64283	Strand	-
Start	269	End	1328
Name	OJ990709_05.9A01.C10.o1.gs	Method	GENSCAN
Start	269	End	1328
GI	none	Score	.74
Exons	269..382, 1266..1328		

Seq. No.	31046	Seq. ID	OJ990709_05.9A01.C10
Gene No.	64284	Strand	-
Start	4747	End	4791
Name	OJ990709_05.9A01.C10.o3.gs	Method	GENSCAN
Start	4747	End	4791
GI	none	Score	.98
Exons	4747..4791		

Seq. No.	31046	Seq. ID	OJ990709_05.9A01.C10
Gene No.	64285	Strand	-
Start	4939	End	4998
Name	OJ990709_05.9A01.C10.o1.tm	Method	TBLASTX:Maize
Start	2751	End	3555
GI	none	Score	100
Exons	2751..2852, 2759..2851, 2984..3079, 2986..3078, 2988..3086, 3303..3539, 3304..3555, 3305..3535		

Seq. No.	31046	Seq. ID	OJ990709_05.9A01.C10
Gene No.	64285	Strand	-
Start	4939	End	4998
Name	OJ990709_05.9A01.C10.o1.ts	Method	TBLASTX:Soybean
Start	2950	End	3532
GI	none	Score	168
Exons	2950..3078, 2960..3079, 2969..3079, 3303..3515, 3308..3532		

Seq. No.	31046	Seq. ID	OJ990709_05.9A01.C10
Gene No.	64285	Strand	-
Start	4939	End	4998
Name	OJ990709_05.9A01.C10.o1.tc	Method	TBLASTX:Cress
Start	2959	End	3508
GI	none	Score	181
Exons	2959..3078, 2960..3079, 2981..3079, 3294..3500, 3303..3500, 3308..3508, 3319..3501		

Seq. No.	31046	Seq. ID	OJ990709_05.9A01.C10

Gene No.	64285	Strand	-
Start	4939	End	4998
Name	OJ990709_05.9A01.C10.o2.gp	Method	AAT/GAP
Start	4939	End	4998
GI	2312838	Score	63
Exons	4939..4998		
GI Descrip.	1420932/gb\|U61383\|ORU61383 7.0e-21 Oryza rufipogon 4-coumarate-CoA ligase gene, intron 1, partial sequence		

Seq. No.	31047	Seq. ID	OJ990709_05.9A01.C11
Gene No.	64286	Strand	+
Start	455	End	4707
Name	OJ990709_05.9A01.C11.o1.gs	Method	GENSCAN
Start	455	End	4707
GI	none	Score	.75
Exons	455..929, 1105..3347, 3376..3758, 4393..4429, 4579..4707		

Seq. No.	31047	Seq. ID	OJ990709_05.9A01.C11
Gene No.	64286	Strand	+
Start	455	End	4707
Name	OJ990709_05.9A01.C11.o1.np	Method	AAT/NAP
Start	455	End	2984
GI	3600033	Score	2791
Exons	455..2984		
GI Descrip.	(AF080119) contains similarity to the N terminal domain of the E1 protein (Pfam: E1_N.hmm, score: 12.36) [Arabidopsis thaliana]		

Seq. No.	31047	Seq. ID	OJ990709_05.9A01.C11
Gene No.	64286	Strand	+
Start	455	End	4707
Name	OJ990709_05.9A01.C11.o5.ts	Method	TBLASTX:Soybean
Start	499	End	699
GI	none	Score	221
Exons	499..699, 500..694		

Seq. No.	31047	Seq. ID	OJ990709_05.9A01.C11
Gene No.	64286	Strand	+
Start	455	End	4707
Name	OJ990709_05.9A01.C11.o1.tc	Method	TBLASTX:Cress
Start	503	End	879
GI	none	Score	404
Exons	503..868, 523..879		

Seq. No.	31047	Seq. ID	OJ990709_05.9A01.C11
Gene No.	64286	Strand	+
Start	455	End	4707
Name	OJ990709_05.9A01.C11.o3.tm	Method	TBLASTX:Maize
Start	520	End	949
GI	none	Score	523
Exons	520..942, 533..949, 554..949		

Seq. No.	31047	Seq. ID	OJ990709_05.9A01.C11
Gene No.	64286	Strand	+
Start	455	End	4707
Name	OJ990709_05.9A01.C11.o2.tm	Method	TBLASTX:Maize
Start	1064	End	1444
GI	none	Score	223

Exons	1064..1222, 1065..1223, 1080..1223, 1217..1444, 1221..1442		
Seq. No.	31047	Seq. ID	OJ990709_05.9A01.C11
Gene No.	64286	Strand	+
Start	455	End	4707
Name	OJ990709_05.9A01.C11.o3.ts	Method	TBLASTX:Soybean
Start	1322	End	1532
GI	none	Score	263
Exons	1322..1468, 1323..1532, 1324..1524		
Seq. No.	31047	Seq. ID	OJ990709_05.9A01.C11
Gene No.	64286	Strand	+
Start	455	End	4707
Name	OJ990709_05.9A01.C11.o1.gp	Method	AAT/GAP
Start	1422	End	1879
GI	2427784	Score	848
Exons	1422..1879		
GI Descrip.	3600033 2.0e-37 (AF080119) contains similarity to the N terminal domain of the E1 protein (Pfam: E1_N.hmm, score: 12.36) [Arabidopsis thaliana]		
Seq. No.	31047	Seq. ID	OJ990709_05.9A01.C11
Gene No.	64286	Strand	+
Start	455	End	4707
Name	OJ990709_05.9A01.C11.o1.tm	Method	TBLASTX:Maize
Start	1447	End	2986
GI	none	Score	181
Exons	1447..1731, 1459..1701, 1464..1733, 1535..1732, 1739..1807, 1740..1814, 1740..1811, 1856..1972, 1857..2984, 1858..2175, 2012..2473, 2212..2925, 2519..2980, 2753..2986		
Seq. No.	31047	Seq. ID	OJ990709_05.9A01.C11
Gene No.	64286	Strand	+
Start	455	End	4707
Name	OJ990709_05.9A01.C11.o4.ts	Method	TBLASTX:Soybean
Start	1538	End	1733
GI	none	Score	230
Exons	1538..1723, 1539..1733		
Seq. No.	31047	Seq. ID	OJ990709_05.9A01.C11
Gene No.	64286	Strand	+
Start	455	End	4707
Name	OJ990709_05.9A01.C11.o1.ts	Method	TBLASTX:Soybean
Start	2286	End	2591
GI	none	Score	436
Exons	2286..2591, 2286..2588		
Seq. No.	31047	Seq. ID	OJ990709_05.9A01.C11
Gene No.	64286	Strand	+
Start	455	End	4707
Name	OJ990709_05.9A01.C11.o2.gp	Method	AAT/GAP
Start	2326	End	2764
GI	2312559	Score	817
Exons	2326..2764		
GI Descrip.	3600033 9.0e-52 (AF080119) contains similarity to the N terminal domain of the E1 protein (Pfam: E1_N.hmm, score: 12.36) [Arabidopsis thaliana]		

Seq. No.	31047	Seq. ID	OJ990709_05.9A01.C11
Gene No.	64286	Strand	+
Start	455	End	4707
Name	OJ990709_05.9A01.C11.o2.ts	Method	TBLASTX:Soybean
Start	2694	End	2984
GI	none	Score	58
Exons	2694..2741, 2748..2978, 2762..2983, 2790..2984		

Seq. No.	31047	Seq. ID	OJ990709_05.9A01.C11
Gene No.	64286	Strand	+
Start	455	End	4707
Name	OJ990709_05.9A01.C11.o2.np	Method	AAT/NAP
Start	3001	End	3523
GI	4678202	Score	141
Exons	3001..3523		
GI Descrip.	(AC007134) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	31048	Seq. ID	OJ990709_05.9A01.C12
Gene No.	64287	Strand	+
Start	5541	End	6084
Name	OJ990709_05.9A01.C12.o3.np	Method	AAT/NAP
Start	5541	End	6084
GI	4678202	Score	205
Exons	5541..6084		
GI Descrip.	(AC007134) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	31048	Seq. ID	OJ990709_05.9A01.C12
Gene No.	64288	Strand	-
Start	829	End	3709
Name	OJ990709_05.9A01.C12.o1.np	Method	AAT/NAP
Start	829	End	2810
GI	6539570	Score	119
Exons	829..847, 2367..2436, 2616..2810		
GI Descrip.	(AP000836) hypothetical protein [Oryza sativa]		

Seq. No.	31048	Seq. ID	OJ990709_05.9A01.C12
Gene No.	64288	Strand	-
Start	829	End	3709
Name	OJ990709_05.9A01.C12.o2.np	Method	AAT/NAP
Start	2544	End	3709
GI	6498436	Score	64
Exons	2544..2704, 3470..3709		
GI Descrip.	(AP000815) hypothetical protein [Oryza sativa]		

Seq. No.	31048	Seq. ID	OJ990709_05.9A01.C12
Gene No.	64289	Strand	-
Start	15306	End	19143
Name	OJ990709_05.9A01.C12.o5.gs	Method	GENSCAN
Start	15306	End	19143
GI	none	Score	.54
Exons	15306..15642, 16406..16545, 17700..18327, 18356..19143		

Seq. No.	31048	Seq. ID	OJ990709 05.9A01.C12
Gene No.	64290	Strand	-
Start	19539	End	24296
Name	OJ990709_05.9A01.C12.o1.tm	Method	TBLASTX:Maize

Start	5526	End	21527
GI	none	Score	74
Exons	5526..5603, 5592..5645, 5676..5747, 5681..5746, 5811..5897, 5819..5905, 21153..21344, 21208..21324, 21417..21467, 21477..21527		

Seq. No.	31048	Seq. ID	OJ990709_05.9A01.C12
Gene No.	64290	Strand	-
Start	19539	End	24296
Name	OJ990709_05.9A01.C12.o2.tm	Method	TBLASTX:Maize
Start	7261	End	7698
GI	none	Score	78
Exons	7261..7317, 7288..7509, 7321..7554, 7536..7571, 7570..7698		

Seq. No.	31048	Seq. ID	OJ990709_05.9A01.C12
Gene No.	64290	Strand	-
Start	19539	End	24296
Name	OJ990709_05.9A01.C12.o1.tw	Method	TBLASTX:Wheat
Start	7294	End	7632
GI	none	Score	199
Exons	7294..7509, 7297..7512, 7543..7632		

Seq. No.	31048	Seq. ID	OJ990709_05.9A01.C12
Gene No.	64290	Strand	-
Start	19539	End	24296
Name	OJ990709_05.9A01.C12.o6.gs	Method	GENSCAN
Start	19539	End	24296
GI	none	Score	.58
Exons	19539..19830, 20809..21392, 21466..21706, 24163..24296		

Seq. No.	31048	Seq. ID	OJ990709_05.9A01.C12
Gene No.	64290	Strand	-
Start	19539	End	24296
Name	OJ990709_05.9A01.C12.o5.np	Method	AAT/NAP
Start	20078	End	21617
GI	4678202	Score	114
Exons	20078..20112, 21218..21392, 21423..21617		
GI Descrip.	(AC007134) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	31049	Seq. ID	OJ990709_05.9A01.C13
Gene No.	64291	Strand	+
Start	810	End	1106
Name	OJ990709_05.9A01.C13.o1.gs	Method	GENSCAN
Start	810	End	1106
GI	none	Score	.46
Exons	810..885, 913..1106		

Seq. No.	31050	Seq. ID	OJ990429_09.9A19.C1
Gene No.	64292	Strand	-
Start	108	End	362
Name	OJ990429_09.9A19.C1.o1.gs	Method	GENSCAN
Start	108	End	362
GI	none	Score	.81
Exons	108..362		

Seq. No.	31051	Seq. ID	OJ990429_09.9A19.C4
Gene No.	64293	Strand	-

Start	218	End	563
Name	OJ990429_09.9A19.C4.o1.gs	Method	GENSCAN
Start	218	End	563
GI	none	Score	.43
Exons	218..318, 530..563		

Seq. No.	31052	Seq. ID	OJ990429_09.9A19.C5
Gene No.	64294	Strand	+
Start	49	End	297
Name	OJ990429_09.9A19.C5.o1.gp	Method	AAT/GAP
Start	49	End	297
GI	3761181	Score	401
Exons	49..297		
GI Descrip.	4521193/dbj\|AB013450.1\|AB013450 1.0e-99 Oryza sativa DNA, similar sequence to Pib gene		

Seq. No.	31052	Seq. ID	OJ990429_09.9A19.C5
Gene No.	64295	Strand	-
Start	267	End	407
Name	OJ990429_09.9A19.C5.o1.gs	Method	GENSCAN
Start	267	End	407
GI	none	Score	.99
Exons	267..407		

Seq. No.	31053	Seq. ID	OJ990429_09.9A19.C9
Gene No.	64296	Strand	-
Start	289	End	370
Name	OJ990429_09.9A19.C9.o1.gs	Method	GENSCAN
Start	289	End	370
GI	none	Score	.5
Exons	289..370		

Seq. No.	31054	Seq. ID	OJ990429_09.9A19.C10
Gene No.	64297	Strand	+
Start	1	End	691
Name	OJ990429_09.9A19.C10.o1.np	Method	AAT/NAP
Start	1	End	691
GI	5902445	Score	564
Exons	1..691		
GI Descrip.	(AB030283) GAG-POL precursor [Oryza sativa]		

Seq. No.	31054	Seq. ID	OJ990429_09.9A19.C10
Gene No.	64297	Strand	+
Start	1	End	691
Name	OJ990429_09.9A19.C10.o1.gs	Method	GENSCAN
Start	70	End	639
GI	none	Score	.7
Exons	70..195, 292..639		

Seq. No.	31054	Seq. ID	OJ990429_09.9A19.C10
Gene No.	64297	Strand	+
Start	1	End	691
Name	OJ990429_09.9A19.C10.o1.tm	Method	TBLASTX:Maize
Start	172	End	555
GI	none	Score	365
Exons	172..555, 193..444, 213..542		

Seq. No.	31054	Seq. ID	OJ990429_09.9A19.C10
Gene No.	64297	Strand	+
Start	1	End	691
Name	OJ990429_09.9A19.C10.o1.tw	Method	TBLASTX:Wheat
Start	229	End	648
GI	none	Score	406
Exons	229..648, 282..542, 337..546		

Seq. No.	31054	Seq. ID	OJ990429_09.9A19.C10
Gene No.	64297	Strand	+
Start	1	End	691
Name	OJ990429_09.9A19.C10.o1.ts	Method	TBLASTX:Soybean
Start	307	End	678
GI	none	Score	263
Exons	307..678, 324..449		

Seq. No.	31055	Seq. ID	OJ990429_09.9A19.C11
Gene No.	64298	Strand	+
Start	1	End	1453
Name	OJ990429_09.9A19.C11.o1.np	Method	AAT/NAP
Start	1	End	1423
GI	6630685	Score	1492
Exons	1..1423		
GI Descrip.	(AP000969) Similar to copia-type pol polyprotein. (AF105716) [Oryza sativa]		

Seq. No.	31055	Seq. ID	OJ990429_09.9A19.C11
Gene No.	64298	Strand	+
Start	1	End	1453
Name	OJ990429_09.9A19.C11.o1.ts	Method	TBLASTX:Soybean
Start	12	End	394
GI	5509260	Score	499
Exons	12..389, 14..394		
GI Descrip.	-		

Seq. No.	31055	Seq. ID	OJ990429_09.9A19.C11
Gene No.	64298	Strand	+
Start	1	End	1453
Name	OJ990429_09.9A19.C11.o1.tc	Method	TBLASTX:Cress
Start	14	End	275
GI	none	Score	230
Exons	14..274, 15..275		

Seq. No.	31055	Seq. ID	OJ990429_09.9A19.C11
Gene No.	64298	Strand	+
Start	1	End	1453
Name	OJ990429_09.9A19.C11.o1.tw	Method	TBLASTX:Wheat
Start	33	End	386
GI	none	Score	423
Exons	33..380, 39..167, 41..178, 200..370, 207..386, 208..381		

Seq. No.	31055	Seq. ID	OJ990429_09.9A19.C11
Gene No.	64298	Strand	+
Start	1	End	1453
Name	OJ990429_09.9A19.C11.o2.tm	Method	TBLASTX:Maize
Start	56	End	491
GI	none	Score	484

Exons	56..430, 57..491, 84..434		
Seq. No.	31055	Seq. ID	OJ990429_09.9A19.C11
Gene No.	64298	Strand	+
Start	1	End	1453
Name	OJ990429_09.9A19.C11.o3.ts	Method	TBLASTX:Soybean
Start	531	End	776
GI	none	Score	195
Exons	531..776, 548..694		
Seq. No.	31055	Seq. ID	OJ990429_09.9A19.C11
Gene No.	64298	Strand	+
Start	1	End	1453
Name	OJ990429_09.9A19.C11.o3.tm	Method	TBLASTX:Maize
Start	563	End	776
GI	none	Score	217
Exons	563..700, 564..776, 576..776		
Seq. No.	31055	Seq. ID	OJ990429_09.9A19.C11
Gene No.	64298	Strand	+
Start	1	End	1453
Name	OJ990429_09.9A19.C11.o2.tw	Method	TBLASTX:Wheat
Start	570	End	1003
GI	none	Score	108
Exons	570..719, 779..1003		
Seq. No.	31055	Seq. ID	OJ990429_09.9A19.C11
Gene No.	64298	Strand	+
Start	1	End	1453
Name	OJ990429_09.9A19.C11.o1.tm	Method	TBLASTX:Maize
Start	779	End	1405
GI	none	Score	602
Exons	779..1405, 793..1272, 1184..1390, 1333..1395		
Seq. No.	31055	Seq. ID	OJ990429_09.9A19.C11
Gene No.	64298	Strand	+
Start	1	End	1453
Name	OJ990429_09.9A19.C11.o2.ts	Method	TBLASTX:Soybean
Start	779	End	1453
GI	none	Score	252
Exons	779..1156, 787..1113, 1175..1453		
Seq. No.	31056	Seq. ID	OJ990429_09.9A19.C12
Gene No.	64299	Strand	+
Start	1	End	2986
Name	OJ990429_09.9A19.C12.o1.np	Method	AAT/NAP
Start	1	End	2986
GI	6063554	Score	417
Exons	1..85, 1195..1447, 1573..1801, 2145..2172, 2812..2986		
GI Descrip.	(AP000615) ESTs AU075609(C63344),C71850(E0464),C98611(E0464) correspond to a region of the predicted gene.; hypothetical protein [Oryza sativa]		
Seq. No.	31056	Seq. ID	OJ990429_09.9A19.C12
Gene No.	64299	Strand	+
Start	1	End	2986
Name	OJ990429_09.9A19.C12.o1.gp	Method	AAT/GAP

Start	1639	End	2375
GI	101153_1.R1084	Score	646
Exons	1639..1801, 2145..2375		
GI Descrip.	'5852170/emb\|AL117265.1\|OST17804 1.0e-115 Oryza sativa indica(GLA4) genomic DNA, chromosome 4, BAC clone:t17804'		

Seq. No.	31056	Seq. ID	OJ990429_09.9A19.C12
Gene No.	64300	Strand	+
Start	3423	End	3719
Name	OJ990429_09.9A19.C12.o2.gp	Method	AAT/GAP
Start	3423	End	3719
GI	61605_3.R1084	Score	431
Exons	3423..3719		
GI Descrip.	'1402920/emb\|CAA66965\| 2.0e-20 (X98321) peroxidase [Arabidopsis thaliana]'		

Seq. No.	31056	Seq. ID	OJ990429_09.9A19.C12
Gene No.	64301	Strand	+
Start	4368	End	4842
Name	OJ990429_09.9A19.C12.o3.gs	Method	GENSCAN
Start	4368	End	4842
GI	none	Score	.92
Exons	4368..4511, 4581..4724, 4786..4842		

Seq. No.	31056	Seq. ID	OJ990429_09.9A19.C12
Gene No.	64302	Strand	+
Start	7475	End	24478
Name	OJ990429_09.9A19.C12.o5.gs	Method	GENSCAN
Start	7475	End	24478
GI	none	Score	.48
Exons	7475..7542, 8907..9195, 10173..10317, 11134..11215, 15676..15738, 15821..15959, 16302..16593, 16865..16917, 17376..17416, 18167..18331, 19714..19769, 21248..21303, 21338..21612, 22274..22469, 22563..22763, 23017..23098, 23652..23786, 23826..23922, 24022..24478		

Seq. No.	31056	Seq. ID	OJ990429_09.9A19.C12
Gene No.	64303	Strand	+
Start	25339	End	26115
Name	OJ990429_09.9A19.C12.o6.gs	Method	GENSCAN
Start	25339	End	26115
GI	none	Score	.91
Exons	25339..25456, 25874..26115		

Seq. No.	31056	Seq. ID	OJ990429_09.9A19.C12
Gene No.	64304	Strand	-
Start	1330	End	3295
Name	OJ990429_09.9A19.C12.o2.gs	Method	GENSCAN
Start	1330	End	3295
GI	none	Score	.61
Exons	1330..1892, 2717..2841, 3072..3147, 3214..3295		

Seq. No.	31056	Seq. ID	OJ990429_09.9A19.C12
Gene No.	64305	Strand	-
Start	5726	End	6982
Name	OJ990429_09.9A19.C12.o4.gs	Method	GENSCAN
Start	5726	End	6982

GI	none	Score	.69
Exons	5726..5853, 6113..6164, 6190..6385, 6807..6982		

Seq. No.	31056	Seq. ID	OJ990429_09.9A19.C12
Gene No.	64306	Strand	-
Start	19563	End	21830
Name	OJ990429_09.9A19.C12.o1.tm	Method	TBLASTX:Maize
Start	10929	End	15962
GI	none	Score	67
Exons	10929..11036, 10935..11036, 10936..11037, 11136..11210, 15674..15733, 15819..15962, 15821..15943		

Seq. No.	31056	Seq. ID	OJ990429_09.9A19.C12
Gene No.	64306	Strand	-
Start	19563	End	21830
Name	OJ990429_09.9A19.C12.o2.tm	Method	TBLASTX:Maize
Start	16864	End	18973
GI	none	Score	55
Exons	16864..16914, 17022..17198, 17022..17162, 17540..17650, 17551..17673, 17558..17680, 18902..18973		

Seq. No.	31056	Seq. ID	OJ990429_09.9A19.C12
Gene No.	64306	Strand	-
Start	19563	End	21830
Name	OJ990429_09.9A19.C12.o3.np	Method	AAT/NAP
Start	19563	End	21830
GI	6721562	Score	498
Exons	19563..19588, 21066..21830		
GI Descrip.	(AP001073) Similar to Zea mays 22-kDa alpha zein gene cluster; hypothetical protein. (AF031569) [Oryza sativa] gi\|6815087\|dbj\|BAA90373.1\| (AP001081) Similar to Zea mays 22-kDa alpha zein gene cluster; hypothetical protein. (AF031569) [Oryza sativa]		

Seq. No.	31057	Seq. ID	OJ990429_09.9A19.C13
Gene No.	64307	Strand	+
Start	4864	End	14334
Name	OJ990429_09.9A19.C13.o2.gs	Method	GENSCAN
Start	4864	End	14195
GI	none	Score	.47
Exons	4864..4992, 5252..5398, 7115..7175, 8221..8398, 10317..10622, 10718..10947, 11868..12196, 12326..12886, 12916..13017, 13306..13497, 13593..14195		

Seq. No.	31057	Seq. ID	OJ990429_09.9A19.C13
Gene No.	64307	Strand	+
Start	4864	End	14334
Name	OJ990429_09.9A19.C13.o1.np	Method	AAT/NAP
Start	6336	End	9658
GI	6721512	Score	75
Exons	6336..6364, 8126..8374, 9526..9658		
GI Descrip.	(AP001072) hypothetical protein [Oryza sativa]		

Seq. No.	31057	Seq. ID	OJ990429_09.9A19.C13
Gene No.	64307	Strand	+
Start	4864	End	14334
Name	OJ990429_09.9A19.C13.o4.np	Method	AAT/NAP

Start	8013	End	13157
GI	6815109	Score	135
Exons	8013..8085, 10336..11314, 11359..11562, 13080..13157		
GI Descrip.	(AP001081) hypothetical protein [Oryza sativa]		

Seq. No.	31057	Seq. ID	OJ990429_09.9A19.C13
Gene No.	64307	Strand	+
Start	4864	End	14334
Name	OJ990429_09.9A19.C13.o3.np	Method	AAT/NAP
Start	9829	End	9918
GI	4680183	Score	120
Exons	9829..9918		
GI Descrip.	(AF111709) gag-pol protein [Oryza sativa subsp. indica]		

Seq. No.	31057	Seq. ID	OJ990429_09.9A19.C13
Gene No.	64307	Strand	+
Start	4864	End	14334
Name	OJ990429_09.9A19.C13.o5.np	Method	AAT/NAP
Start	12147	End	14334
GI	4206306	Score	1492
Exons	12147..14334		
GI Descrip.	(AF049110) prpol [Zea mays]		

Seq. No.	31057	Seq. ID	OJ990429_09.9A19.C13
Gene No.	64308	Strand	+
Start	14437	End	15781
Name	OJ990429_09.9A19.C13.o6.np	Method	AAT/NAP
Start	14437	End	15781
GI	6630699	Score	89
Exons	14437..14458, 15663..15781		
GI Descrip.	(AP000969) hypothetical protein [Oryza sativa] gi\|6721536\|dbj\|BAA89566.1\| (AP001073) hypothetical protein [Oryza sativa]		

Seq. No.	31057	Seq. ID	OJ990429_09.9A19.C13
Gene No.	64309	Strand	+
Start	17605	End	18949
Name	OJ990429_09.9A19.C13.o8.np	Method	AAT/NAP
Start	17605	End	18949
GI	6630699	Score	80
Exons	17605..17663, 18866..18949		
GI Descrip.	(AP000969) hypothetical protein [Oryza sativa] gi\|6721536\|dbj\|BAA89566.1\| (AP001073) hypothetical protein [Oryza sativa]		

Seq. No.	31057	Seq. ID	OJ990429_09.9A19.C13
Gene No.	64310	Strand	-
Start	7735	End	9796
Name	OJ990429_09.9A19.C13.o2.np	Method	AAT/NAP
Start	7735	End	9796
GI	6721561	Score	138
Exons	7735..7756, 9707..9796		
GI Descrip.	(AP001073) EST AU082058(C12976) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa] gi\|6815086\|dbj\|BAA90372.1\| (AP001081) EST AU082058(C12976) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	31057	Seq. ID	OJ990429_09.9A19.C13
Gene No.	64311	Strand	-
Start	14301	End	19858
Name	OJ990429_09.9A19.C13.o3.gs	Method	GENSCAN
Start	14301	End	16112
GI	none	Score	.73
Exons	14301..14467, 15043..15132, 16052..16112		

Seq. No.	31057	Seq. ID	OJ990429_09.9A19.C13
Gene No.	64311	Strand	-
Start	14301	End	19858
Name	OJ990429_09.9A19.C13.o7.np	Method	AAT/NAP
Start	15921	End	18810
GI	5922620	Score	269
Exons	15921..16094, 16608..16771, 17404..17622, 18213..18292, 18660..18810		
GI Descrip.	(AP000492) EST D15357(C0514) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa] gi\|6016853\|dbj\|BAA85196.1\| (AP000570) EST D15357(C0514) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	31057	Seq. ID	OJ990429_09.9A19.C13
Gene No.	64311	Strand	-
Start	14301	End	19858
Name	OJ990429_09.9A19.C13.o4.gs	Method	GENSCAN
Start	18542	End	19858
GI	none	Score	.63
Exons	18542..18730, 18860..18943, 19583..19783, 19835..19858		

Seq. No.	31057	Seq. ID	OJ990429_09.9A19.C13
Gene No.	64312	Strand	-
Start	21264	End	22441
Name	OJ990429_09.9A19.C13.o4.tw	Method	TBLASTX:Wheat
Start	12404	End	12757
GI	none	Score	70
Exons	12404..12529, 12535..12756, 12581..12757		

Seq. No.	31057	Seq. ID	OJ990429_09.9A19.C13
Gene No.	64312	Strand	-
Start	21264	End	22441
Name	OJ990429_09.9A19.C13.o1.tw	Method	TBLASTX:Wheat
Start	12961	End	13416
GI	none	Score	403
Exons	12961..13416, 12987..13415		

Seq. No.	31057	Seq. ID	OJ990429_09.9A19.C13
Gene No.	64312	Strand	-
Start	21264	End	22441
Name	OJ990429_09.9A19.C13.o1.tm	Method	TBLASTX:Maize
Start	13089	End	13446
GI	none	Score	80
Exons	13089..13445, 13089..13445, 13090..13446		

Seq. No.	31057	Seq. ID	OJ990429_09.9A19.C13
Gene No.	64312	Strand	-

Start	21264	End	22441
Name	OJ990429_09.9A19.C13.o2.tm	Method	TBLASTX:Maize
Start	13474	End	13856
GI	none	Score	82
Exons	13474..13566, 13495..13557, 13521..13643, 13554..13856, 13583..13843		

Seq. No.	31057	Seq. ID	OJ990429_09.9A19.C13
Gene No.	64312	Strand	-
Start	21264	End	22441
Name	OJ990429_09.9A19.C13.o2.tw	Method	TBLASTX:Wheat
Start	13554	End	13949
GI	none	Score	372
Exons	13554..13949, 13583..13843, 13638..13847		

Seq. No.	31057	Seq. ID	OJ990429_09.9A19.C13
Gene No.	64312	Strand	-
Start	21264	End	22441
Name	OJ990429_09.9A19.C13.o1.ts	Method	TBLASTX:Soybean
Start	13608	End	13958
GI	none	Score	261
Exons	13608..13958, 13625..13750		

Seq. No.	31057	Seq. ID	OJ990429_09.9A19.C13
Gene No.	64312	Strand	-
Start	21264	End	22441
Name	OJ990429_09.9A19.C13.o3.tw	Method	TBLASTX:Wheat
Start	14019	End	14273
GI	none	Score	203
Exons	14019..14273, 14034..14171		

Seq. No.	31057	Seq. ID	OJ990429_09.9A19.C13
Gene No.	64312	Strand	-
Start	21264	End	22441
Name	OJ990429_09.9A19.C13.o5.gs	Method	GENSCAN
Start	21264	End	22441
GI	none	Score	.61
Exons	21264..21554, 21652..21917, 21988..22441		

Seq. No.	31058	Seq. ID	OJ990429_09.9A19.C14
Gene No.	64313	Strand	+
Start	187	End	734
Name	OJ990429_09.9A19.C14.o1.np	Method	AAT/NAP
Start	187	End	734
GI	5091512	Score	708
Exons	187..365, 407..734		
GI Descrip.	(AB023482) Similar to Plasmodium vivax circumsporozoite protein gene, complete cds.(M11926) [Oryza sativa]		

Seq. No.	31058	Seq. ID	OJ990429_09.9A19.C14
Gene No.	64314	Strand	-
Start	118	End	579
Name	OJ990429_09.9A19.C14.o1.gs	Method	GENSCAN
Start	118	End	579
GI	none	Score	.88
Exons	118..579		

Seq. No.	31059	Seq. ID	OJ990429_09.9A19.C16
Gene No.	64315	Strand	-
Start	248	End	360
Name	OJ990429_09.9A19.C16.o1.gs	Method	GENSCAN
Start	248	End	360
GI	none	Score	.78
Exons	248..360		

Seq. No.	31060	Seq. ID	OJ990429_09.9A19.C17
Gene No.	64316	Strand	+
Start	67	End	665
Name	OJ990429_09.9A19.C17.o1.gs	Method	GENSCAN
Start	67	End	665
GI	none	Score	.7
Exons	67..363, 426..665		

Seq. No.	31061	Seq. ID	OJ990429_09.9A19.C18
Gene No.	64317	Strand	-
Start	1	End	782
Name	OJ990429_09.9A19.C18.o1.np	Method	AAT/NAP
Start	1	End	782
GI	6907086	Score	702
Exons	1..161, 222..782		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		

Seq. No.	31062	Seq. ID	OJ990429_09.9A19.C19
Gene No.	64318	Strand	+
Start	495	End	1840
Name	OJ990429_09.9A19.C19.o1.ts	Method	TBLASTX:Soybean
Start	462	End	1140
GI	none	Score	59
Exons	462..629, 463..645, 649..975, 970..1113	651..725, 828..962, 970..1140,	

Seq. No.	31062	Seq. ID	OJ990429_09.9A19.C19
Gene No.	64318	Strand	+
Start	495	End	1840
Name	OJ990429_09.9A19.C19.o1.np	Method	AAT/NAP
Start	495	End	1840
GI	4680207	Score	660
Exons	495..1234, 1380..1840		
GI Descrip.	(AF114171) disease resistance protein RPM1 homolog [Sorghum bicolor]		

Seq. No.	31062	Seq. ID	OJ990429_09.9A19.C19
Gene No.	64318	Strand	+
Start	495	End	1840
Name	OJ990429_09.9A19.C19.o3.tw	Method	TBLASTX:Wheat
Start	646	End	930
GI	none	Score	189
Exons	646..930, 693..767, 838..930		

Seq. No.	31062	Seq. ID	OJ990429_09.9A19.C19
Gene No.	64318	Strand	+
Start	495	End	1840
Name	OJ990429_09.9A19.C19.o1.tm	Method	TBLASTX:Maize
Start	735	End	1002

GI	none	Score	280
Exons	735..1001, 739..1002		

Seq. No.	31062	Seq. ID	OJ990429_09.9A19.C19
Gene No.	64318	Strand	+
Start	495	End	1840
Name	OJ990429_09.9A19.C19.o2.tw	Method	TBLASTX:Wheat
Start	931	End	1155
GI	none	Score	225
Exons	931..1155, 934..1113, 1065..1154		

Seq. No.	31062	Seq. ID	OJ990429_09.9A19.C19
Gene No.	64318	Strand	+
Start	495	End	1840
Name	OJ990429_09.9A19.C19.o1.tw	Method	TBLASTX:Wheat
Start	1433	End	1762
GI	none	Score	229
Exons	1433..1762, 1655..1756		

Seq. No.	31062	Seq. ID	OJ990429_09.9A19.C19
Gene No.	64318	Strand	+
Start	495	End	1840
Name	OJ990429_09.9A19.C19.o1.gs	Method	GENSCAN
Start	1457	End	1802
GI	none	Score	.97
Exons	1457..1802		

Seq. No.	31063	Seq. ID	OJ990429_09.9A19.C20
Gene No.	64319	Strand	+
Start	1	End	1192
Name	OJ990429_09.9A19.C20.o1.np	Method	AAT/NAP
Start	1	End	1192
GI	4680207	Score	361
Exons	1..209, 300..1192		
GI Descrip.	(AF114171) disease resistance protein RPM1 homolog [Sorghum bicolor]		

Seq. No.	31063	Seq. ID	OJ990429_09.9A19.C20
Gene No.	64319	Strand	+
Start	1	End	1192
Name	OJ990429_09.9A19.C20.o1.gs	Method	GENSCAN
Start	98	End	1175
GI	none	Score	.6
Exons	98..1175		

Seq. No.	31063	Seq. ID	OJ990429_09.9A19.C20
Gene No.	64319	Strand	+
Start	1	End	1192
Name	OJ990429_09.9A19.C20.o1.tw	Method	TBLASTX:Wheat
Start	308	End	682
GI	none	Score	242
Exons	308..682, 575..676		

Seq. No.	31064	Seq. ID	OJ990429_09.9A19.C21
Gene No.	64320	Strand	+
Start	400	End	554
Name	OJ990429_09.9A19.C21.o1.gs	Method	GENSCAN

Start	400	End	554
GI	none	Score	.58
Exons	400..554		

Seq. No.	31065	Seq. ID	OJ990429_09.9A19.C22
Gene No.	64321	Strand	-
Start	1	End	7359
Name	OJ990429_09.9A19.C22.o1.np	Method	AAT/NAP
Start	1	End	1283
GI	6648988	Score	84
Exons	1..109, 806..943, 1234..1283		
GI Descrip.	(AF121446) disease resistance protein B11 [Capsicum annuum]		

Seq. No.	31065	Seq. ID	OJ990429_09.9A19.C22
Gene No.	64321	Strand	-
Start	1	End	7359
Name	OJ990429_09.9A19.C22.o2.np	Method	AAT/NAP
Start	230	End	7359
GI	5091513	Score	1468
Exons	230..255, 2656..2841, 2950..3029, 3956..4449, 4918..5026, 5124..5924, 7313..7359		
GI Descrip.	(AB023482) Hypothetical protein [Oryza sativa]		

Seq. No.	31065	Seq. ID	OJ990429_09.9A19.C22
Gene No.	64321	Strand	-
Start	1	End	7359
Name	OJ990429_09.9A19.C22.o1.gs	Method	GENSCAN
Start	600	End	1458
GI	none	Score	.83
Exons	600..618, 806..979, 1385..1458		

Seq. No.	31065	Seq. ID	OJ990429_09.9A19.C22
Gene No.	64321	Strand	-
Start	1	End	7359
Name	OJ990429_09.9A19.C22.o1.gp	Method	AAT/GAP
Start	1010	End	1256
GI	3761181	Score	438
Exons	1010..1256		
GI Descrip.	4521193/dbj\|AB013450.1\|AB013450 1.0e-99 Oryza sativa DNA, similar sequence to Pib gene		

Seq. No.	31065	Seq. ID	OJ990429_09.9A19.C22
Gene No.	64321	Strand	-
Start	1	End	7359
Name	OJ990429_09.9A19.C22.o2.gs	Method	GENSCAN
Start	3331	End	5944
GI	none	Score	.65
Exons	3331..3659, 3813..4060, 4066..4425, 5124..5944		

Seq. No.	31065	Seq. ID	OJ990429_09.9A19.C22
Gene No.	64321	Strand	-
Start	1	End	7359
Name	OJ990429_09.9A19.C22.o3.gs	Method	GENSCAN
Start	6858	End	7308
GI	none	Score	.66
Exons	6858..7082, 7115..7175, 7244..7308		

Seq. No.	31065	Seq. ID	OJ990429_09.9A19.C22
Gene No.	64321	Strand	-
Start	1	End	7359
Name	OJ990429_09.9A19.C22.o2.gp	Method	AAT/GAP
Start	7206	End	7359
GI	3761181	Score	247
Exons	7206..7359		
GI Descrip.	4521193/dbj\|AB013450.1\|AB013450 1.0e-99 Oryza sativa DNA, similar sequence to Pib gene		

Seq. No.	31066	Seq. ID	OJ990429_09.9A19.C23
Gene No.	64322	Strand	-
Start	1	End	2441
Name	OJ990429_09.9A19.C23.o1.np	Method	AAT/NAP
Start	1	End	2441
GI	4680207	Score	314
Exons	1..27, 122..852, 2397..2441		
GI Descrip.	(AF114171) disease resistance protein RPM1 homolog [Sorghum bicolor]		

Seq. No.	31066	Seq. ID	OJ990429_09.9A19.C23
Gene No.	64322	Strand	-
Start	1	End	2441
Name	OJ990429_09.9A19.C23.o1.gs	Method	GENSCAN
Start	122	End	1155
GI	none	Score	.5
Exons	122..869, 947..1155		

Seq. No.	31066	Seq. ID	OJ990429_09.9A19.C23
Gene No.	64322	Strand	-
Start	1	End	2441
Name	OJ990429_09.9A19.C23.o1.tm	Method	TBLASTX:Maize
Start	281	End	733
GI	none	Score	138
Exons	281..526, 551..733		

Seq. No.	31066	Seq. ID	OJ990429_09.9A19.C23
Gene No.	64322	Strand	-
Start	1	End	2441
Name	OJ990429_09.9A19.C23.o2.gs	Method	GENSCAN
Start	1870	End	1974
GI	none	Score	.49
Exons	1870..1974		

Seq. No.	31067	Seq. ID	OJ990429_09.9A19.C24
Gene No.	64323	Strand	+
Start	498	End	1049
Name	OJ990429_09.9A19.C24.o1.gs	Method	GENSCAN
Start	498	End	1049
GI	none	Score	.48
Exons	498..1049		

Seq. No.	31068	Seq. ID	OJ990429_09.9A19.C25
Gene No.	64324	Strand	+
Start	58	End	128
Name	OJ990429_09.9A19.C25.o1.gs	Method	GENSCAN
Start	58	End	128

GI	none	Score	.85
Exons	58..128		
Seq. No.	31069	Seq. ID	OJ990429_09.9A19.C28
Gene No.	64325	Strand	-
Start	25	End	633
Name	OJ990429_09.9A19.C28.o1.gs	Method	GENSCAN
Start	25	End	633
GI	none	Score	.53
Exons	25..92, 255..633		
Seq. No.	31070	Seq. ID	OJ990429_09.9A19.C29
Gene No.	64326	Strand	-
Start	387	End	677
Name	OJ990429_09.9A19.C29.o1.gs	Method	GENSCAN
Start	387	End	629
GI	none	Score	.85
Exons	387..629		
Seq. No.	31070	Seq. ID	OJ990429_09.9A19.C29
Gene No.	64326	Strand	-
Start	387	End	677
Name	OJ990429_09.9A19.C29.o1.np	Method	AAT/NAP
Start	392	End	677
GI	6539588	Score	215
Exons	392..677		
GI Descrip.	(AP000837) hypothetical protein [Oryza sativa]		
Seq. No.	31071	Seq. ID	OJ990429_09.9A19.C30
Gene No.	64327	Strand	+
Start	23	End	1070
Name	OJ990429_09.9A19.C30.o1.gs	Method	GENSCAN
Start	23	End	1070
GI	none	Score	.64
Exons	23..90, 792..813, 1020..1070		
Seq. No.	31072	Seq. ID	OJ990429_09.9A19.C32
Gene No.	64328	Strand	+
Start	749	End	908
Name	OJ990429_09.9A19.C32.o1.gp	Method	AAT/GAP
Start	749	End	908
GI	20688_1.R1084	Score	252
Exons	749..908		
GI Descrip.	'4521193/dbj\|AB013450.1\|AB013450 1.0e-99 Oryza sativa DNA, similar sequence to Pib gene'		
Seq. No.	31072	Seq. ID	OJ990429_09.9A19.C32
Gene No.	64329	Strand	-
Start	1	End	935
Name	OJ990429_09.9A19.C32.o1.np	Method	AAT/NAP
Start	1	End	935
GI	4680207	Score	155
Exons	1..292, 893..935		
GI Descrip.	(AF114171) disease resistance protein RPM1 homolog [Sorghum bicolor]		
Seq. No.	31072	Seq. ID	OJ990429_09.9A19.C32

Gene No.	64329	Strand	-
Start	1	End	935
Name	OJ990429_09.9A19.C32.o1.gs	Method	GENSCAN
Start	21	End	281
GI	none	Score	.66
Exons	21..281		

Seq. No.	31073	Seq. ID	OJ990429_09.9A19.C36
Gene No.	64330	Strand	+
Start	1	End	612
Name	OJ990429_09.9A19.C36.o1.np	Method	AAT/NAP
Start	1	End	612
GI	4206306	Score	604
Exons	1..612		
GI Descrip.	(AF049110) prpol [Zea mays]		

Seq. No.	31073	Seq. ID	OJ990429_09.9A19.C36
Gene No.	64330	Strand	+
Start	1	End	612
Name	OJ990429_09.9A19.C36.o1.tw	Method	TBLASTX:Wheat
Start	52	End	471
GI	none	Score	412
Exons	52..471, 52..327, 258..470		

Seq. No.	31073	Seq. ID	OJ990429_09.9A19.C36
Gene No.	64330	Strand	+
Start	1	End	612
Name	OJ990429_09.9A19.C36.o1.gs	Method	GENSCAN
Start	73	End	495
GI	none	Score	.8
Exons	73..234, 331..495		

Seq. No.	31073	Seq. ID	OJ990429_09.9A19.C36
Gene No.	64330	Strand	+
Start	1	End	612
Name	OJ990429_09.9A19.C36.o1.tm	Method	TBLASTX:Maize
Start	211	End	594
GI	none	Score	358
Exons	211..594, 232..339, 252..581		

Seq. No.	31073	Seq. ID	OJ990429_09.9A19.C36
Gene No.	64330	Strand	+
Start	1	End	612
Name	OJ990429_09.9A19.C36.o1.ts	Method	TBLASTX:Soybean
Start	262	End	480
GI	none	Score	190
Exons	262..480, 264..470		

Seq. No.	31074	Seq. ID	OJ990429_09.9A19.C37
Gene No.	64331	Strand	-
Start	1	End	462
Name	OJ990429_09.9A19.C37.o1.np	Method	AAT/NAP
Start	1	End	462
GI	6907088	Score	294
Exons	1..240, 378..462		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		

Seq. No.	31075	Seq. ID	OJ990429_09.9A19.C38
Gene No.	64332	Strand	+
Start	1	End	576
Name	OJ990429_09.9A19.C38.o1.np	Method	AAT/NAP
Start	1	End	576
GI	5091512	Score	715
Exons	1..109, 157..576		
GI Descrip.	(AB023482) Similar to Plasmodium vivax circumsporozoite protein gene, complete cds.(M11926) [Oryza sativa]		

Seq. No.	31075	Seq. ID	OJ990429_09.9A19.C38
Gene No.	64333	Strand	-
Start	157	End	420
Name	OJ990429_09.9A19.C38.o1.gs	Method	GENSCAN
Start	157	End	420
GI	none	Score	.99
Exons	157..420		

Seq. No.	31076	Seq. ID	OJ990429_09.9A19.C39
Gene No.	64334	Strand	+
Start	1	End	2621
Name	OJ990429_09.9A19.C39.o1.np	Method	AAT/NAP
Start	1	End	2621
GI	6721512	Score	59
Exons	1..76, 1262..1360, 2604..2621		
GI Descrip.	(AP001072) hypothetical protein [Oryza sativa]		

Seq. No.	31076	Seq. ID	OJ990429_09.9A19.C39
Gene No.	64334	Strand	+
Start	1	End	2621
Name	OJ990429_09.9A19.C39.o1.gs	Method	GENSCAN
Start	442	End	2392
GI	none	Score	.41
Exons	442..525, 1191..1360, 2144..2392		

Seq. No.	31077	Seq. ID	OJ990429_09.9A19.C40
Gene No.	64335	Strand	+
Start	1	End	8183
Name	OJ990429_09.9A19.C40.o1.np	Method	AAT/NAP
Start	1	End	2549
GI	5257262	Score	177
Exons	1..58, 732..1015, 1648..1918, 2467..2549		
GI Descrip.	(AP000364) hypothetical protein [Oryza sativa]		

Seq. No.	31077	Seq. ID	OJ990429_09.9A19.C40
Gene No.	64335	Strand	+
Start	1	End	8183
Name	OJ990429_09.9A19.C40.o1.gs	Method	GENSCAN
Start	177	End	1815
GI	none	Score	.49
Exons	177..372, 1645..1815		

Seq. No.	31077	Seq. ID	OJ990429_09.9A19.C40
Gene No.	64335	Strand	+
Start	1	End	8183
Name	OJ990429_09.9A19.C40.o2.np	Method	AAT/NAP
Start	1331	End	8183

GI	5091513	Score	1361
Exons	1331..1376, 4701..5175, 5924..6753, 6886..7089, 7871..8183		
GI Descrip.	(AB023482) Hypothetical protein [Oryza sativa]		

Seq. No.	31077	Seq. ID	OJ990429_09.9A19.C40
Gene No.	64335	Strand	+
Start	1	End	8183
Name	OJ990429_09.9A19.C40.o1.gp	Method	AAT/GAP
Start	3592	End	3840
GI	3761181	Score	401
Exons	3592..3840		
GI Descrip.	4521193/dbj\|AB013450.1\|AB013450 1.0e-99 Oryza sativa DNA, similar sequence to Pib gene		

Seq. No.	31077	Seq. ID	OJ990429_09.9A19.C40
Gene No.	64335	Strand	+
Start	1	End	8183
Name	OJ990429_09.9A19.C40.o2.gs	Method	GENSCAN
Start	4147	End	7168
GI	none	Score	.77
Exons	4147..4353, 4760..5076, 5886..6451, 6474..6646, 6806..7168		

Seq. No.	31077	Seq. ID	OJ990429_09.9A19.C40
Gene No.	64336	Strand	+
Start	8813	End	12364
Name	OJ990429_09.9A19.C40.o3.gs	Method	GENSCAN
Start	8813	End	12339
GI	none	Score	.56
Exons	8813..8872, 10414..10510, 11207..11258, 11517..12339		

Seq. No.	31077	Seq. ID	OJ990429_09.9A19.C40
Gene No.	64336	Strand	+
Start	8813	End	12364
Name	OJ990429_09.9A19.C40.o3.np	Method	AAT/NAP
Start	11131	End	12364
GI	6539588	Score	130
Exons	11131..11375, 12332..12364		
GI Descrip.	(AP000837) hypothetical protein [Oryza sativa]		

Seq. No.	31077	Seq. ID	OJ990429_09.9A19.C40
Gene No.	64337	Strand	-
Start	5122	End	5390
Name	OJ990429_09.9A19.C40.o2.gp	Method	AAT/GAP
Start	5122	End	5390
GI	uC-osf1cyp053f07a1	Score	337
Exons	5122..5390		
GI Descrip.	'5091496/dbj\|AB023482.2\|AB023482 3.0e-38 Oryza sativa genomic DNA, chromosome 6, clone P0680A03, complete sequence'		

Seq. No.	31077	Seq. ID	OJ990429_09.9A19.C40
Gene No.	64338	Strand	-
Start	9540	End	9645
Name	OJ990429_09.9A19.C40.o3.gp	Method	AAT/GAP
Start	9540	End	9645
GI	5816518	Score	159
Exons	9540..9645		
GI Descrip.	4521193/dbj\|AB013450.1\|AB013450 3.0e-40 Oryza sativa DNA,		

similar sequence to Pib gene

Seq. No.	31078	Seq. ID	OJ990429_09.9A19.C41
Gene No.	64339	Strand	+
Start	766	End	3130
Name	OJ990429_09.9A19.C41.o1.np	Method	AAT/NAP
Start	766	End	3130
GI	3777527	Score	1023
Exons	766..842, 1102..2492, 2652..3130		
GI Descrip.	(AF053008) gag-pol polyprotein [Glycine max]		

Seq. No.	31078	Seq. ID	OJ990429_09.9A19.C41
Gene No.	64339	Strand	+
Start	766	End	3130
Name	OJ990429_09.9A19.C41.o1.tw	Method	TBLASTX:Wheat
Start	1610	End	2164
GI	none	Score	99
Exons	1610..1816, 1880..2164, 1990..2163		

Seq. No.	31078	Seq. ID	OJ990429_09.9A19.C41
Gene No.	64339	Strand	+
Start	766	End	3130
Name	OJ990429_09.9A19.C41.o1.tm	Method	TBLASTX:Maize
Start	1832	End	2467
GI	none	Score	66
Exons	1832..1897, 1837..1899, 1898..2320, 1984..2319, 2315..2467		

Seq. No.	31078	Seq. ID	OJ990429_09.9A19.C41
Gene No.	64339	Strand	+
Start	766	End	3130
Name	OJ990429_09.9A19.C41.o2.ts	Method	TBLASTX:Soybean
Start	2006	End	2467
GI	none	Score	243
Exons	2006..2317, 2023..2310, 2339..2467		

Seq. No.	31078	Seq. ID	OJ990429_09.9A19.C41
Gene No.	64339	Strand	+
Start	766	End	3130
Name	OJ990429_09.9A19.C41.o1.tc	Method	TBLASTX:Cress
Start	2023	End	2466
GI	none	Score	172
Exons	2023..2109, 2024..2314, 2329..2466, 2330..2461		

Seq. No.	31078	Seq. ID	OJ990429_09.9A19.C41
Gene No.	64339	Strand	+
Start	766	End	3130
Name	OJ990429_09.9A19.C41.o2.tm	Method	TBLASTX:Maize
Start	2783	End	3081
GI	none	Score	125
Exons	2783..3004, 2996..3079, 2996..3079, 3019..3081		

Seq. No.	31078	Seq. ID	OJ990429_09.9A19.C41
Gene No.	64339	Strand	+
Start	766	End	3130
Name	OJ990429_09.9A19.C41.o1.ts	Method	TBLASTX:Soybean
Start	2846	End	3127
GI	5509260	Score	291

Exons	2846..3085, 2855..3127, 2872..3123		
GI Descrip.	-		
Seq. No.	31079	Seq. ID	OJ990429_09.9A19.C42
Gene No.	64340	Strand	+
Start	371	End	2072
Name	OJ990429_09.9A19.C42.o1.np	Method	AAT/NAP
Start	371	End	2060
GI	6630685	Score	1566
Exons	371..605, 638..2060		
GI Descrip.	(AP000969) Similar to copia-type pol polyprotein. (AF105716) [Oryza sativa]		
Seq. No.	31079	Seq. ID	OJ990429_09.9A19.C42
Gene No.	64340	Strand	+
Start	371	End	2072
Name	OJ990429_09.9A19.C42.o1.ts	Method	TBLASTX:Soybean
Start	392	End	1034
GI	5509260	Score	181
Exons	392..442, 464..697, 520..699, 652..1029, 654..1034		
GI Descrip.	-		
Seq. No.	31079	Seq. ID	OJ990429_09.9A19.C42
Gene No.	64340	Strand	+
Start	371	End	2072
Name	OJ990429_09.9A19.C42.o1.tw	Method	TBLASTX:Wheat
Start	521	End	1026
GI	none	Score	76
Exons	521..610, 521..604, 617..646, 673..1020, 681..818, 840..1010, 847..1026		
Seq. No.	31079	Seq. ID	OJ990429_09.9A19.C42
Gene No.	64340	Strand	+
Start	371	End	2072
Name	OJ990429_09.9A19.C42.o1.tc	Method	TBLASTX:Cress
Start	634	End	906
GI	none	Score	227
Exons	634..906, 654..896		
Seq. No.	31079	Seq. ID	OJ990429_09.9A19.C42
Gene No.	64340	Strand	+
Start	371	End	2072
Name	OJ990429_09.9A19.C42.o2.tm	Method	TBLASTX:Maize
Start	696	End	1134
GI	none	Score	471
Exons	696..1070, 697..1134, 850..1134		
Seq. No.	31079	Seq. ID	OJ990429_09.9A19.C42
Gene No.	64340	Strand	+
Start	371	End	2072
Name	OJ990429_09.9A19.C42.o1.tm	Method	TBLASTX:Maize
Start	1386	End	2042
GI	none	Score	709
Exons	1386..2042, 1394..1900, 1626..2027		
Seq. No.	31079	Seq. ID	OJ990429_09.9A19.C42
Gene No.	64340	Strand	+

Start	371	End	2072
Name	OJ990429_09.9A19.C42.o2.ts	Method	TBLASTX:Soybean
Start	1404	End	2072
GI	none	Score	263
Exons	1404..1793, 1595..1750, 1812..2072, 1826..1897		

Seq. No.	31079	Seq. ID	OJ990429_09.9A19.C42
Gene No.	64340	Strand	+
Start	371	End	2072
Name	OJ990429_09.9A19.C42.o2.tw	Method	TBLASTX:Wheat
Start	1542	End	1997
GI	none	Score	121
Exons	1542..1802, 1806..1997, 1821..1997		

Seq. No.	31079	Seq. ID	OJ990429_09.9A19.C42
Gene No.	64340	Strand	+
Start	371	End	2072
Name	OJ990429_09.9A19.C42.o2.tc	Method	TBLASTX:Cress
Start	1677	End	2042
GI	none	Score	89
Exons	1677..1808, 1797..2042		

Seq. No.	31080	Seq. ID	OJ990429_09.9A19.C43
Gene No.	64341	Strand	-
Start	1	End	4463
Name	OJ990429_09.9A19.C43.o1.np	Method	AAT/NAP
Start	1	End	4463
GI	4755191	Score	40
Exons	1..33, 1545..1764, 4403..4463		
GI Descrip.	(AC007018) putative non-LTR retroelement reverse transcriptase [Arabidopsis thaliana]		

Seq. No.	31080	Seq. ID	OJ990429_09.9A19.C43
Gene No.	64341	Strand	-
Start	1	End	4463
Name	OJ990429_09.9A19.C43.o1.gs	Method	GENSCAN
Start	487	End	2035
GI	none	Score	.43
Exons	487..520, 800..1093, 1943..2035		

Seq. No.	31080	Seq. ID	OJ990429_09.9A19.C43
Gene No.	64341	Strand	-
Start	1	End	4463
Name	OJ990429_09.9A19.C43.o2.gs	Method	GENSCAN
Start	3501	End	3888
GI	none	Score	.86
Exons	3501..3671, 3680..3888		

Seq. No.	31081	Seq. ID	OJ990429_09.9A19.C44
Gene No.	64342	Strand	+
Start	17	End	1884
Name	OJ990429_09.9A19.C44.o1.gs	Method	GENSCAN
Start	17	End	1884
GI	none	Score	.52
Exons	17..26, 405..447, 578..756, 992..1074, 1252..1345, 1811..1884		

Seq. No.	31081	Seq. ID	OJ990429_09.9A19.C44

Gene No.	64343	Strand	+
Start	8249	End	27128
Name	OJ990429_09.9A19.C44.o3.gs	Method	GENSCAN
Start	8249	End	12718
GI	none	Score	.67
Exons	8249..8378, 8661..10699, 10749..12183, 12285..12718		

Seq. No.	31081	Seq. ID	OJ990429_09.9A19.C44
Gene No.	64343	Strand	+
Start	8249	End	27128
Name	OJ990429_09.9A19.C44.o3.np	Method	AAT/NAP
Start	8686	End	12905
GI	5295971	Score	3456
Exons	8686..9620, 9648..12905		
GI Descrip.	(AB026295) EST D24315(R1718) corresponds to a region of the predicted gene.; Similar to Tobacco DNA for retroviral-like transposon Tnt 1-94.(X13777) [Oryza sativa]		

Seq. No.	31081	Seq. ID	OJ990429_09.9A19.C44
Gene No.	64343	Strand	+
Start	8249	End	27128
Name	OJ990429_09.9A19.C44.o4.np	Method	AAT/NAP
Start	10683	End	19890
GI	4680207	Score	1189
Exons	10683..10761, 13813..14635, 16034..17672, 19858..19890		
GI Descrip.	(AF114171) disease resistance protein RPM1 homolog [Sorghum bicolor]		

Seq. No.	31081	Seq. ID	OJ990429_09.9A19.C44
Gene No.	64343	Strand	+
Start	8249	End	27128
Name	OJ990429_09.9A19.C44.o4.gs	Method	GENSCAN
Start	13815	End	17858
GI	none	Score	.55
Exons	13815..14370, 14500..14635, 16427..17858		

Seq. No.	31081	Seq. ID	OJ990429_09.9A19.C44
Gene No.	64343	Strand	+
Start	8249	End	27128
Name	OJ990429_09.9A19.C44.o5.np	Method	AAT/NAP
Start	19515	End	27128
GI	4455154	Score	56
Exons	19515..19754, 21866..22051, 23182..23286, 27099..27128		
GI Descrip.	(AL033545) extensin-like protein [Arabidopsis thaliana]		

Seq. No.	31081	Seq. ID	OJ990429_09.9A19.C44
Gene No.	64344	Strand	-
Start	1	End	1359
Name	OJ990429_09.9A19.C44.o1.np	Method	AAT/NAP
Start	1	End	1359
GI	6907088	Score	721
Exons	1..309, 809..1046, 1222..1359		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		

Seq. No.	31081	Seq. ID	OJ990429_09.9A19.C44
Gene No.	64345	Strand	-
Start	3726	End	5149

Name	OJ990429_09.9A19.C44.o2.np	Method	AAT/NAP
Start	3726	End	5149
GI	4416302	Score	1412
Exons	3726..5149		
GI Descrip.	(AF105716) copia-type pol polyprotein [Zea mays]		

Seq. No.	31081	Seq. ID	OJ990429_09.9A19.C44
Gene No.	64346	Strand	-
Start	13188	End	13347
Name	OJ990429_09.9A19.C44.o2.ts	Method	TBLASTX:Soybean
Start	3717	End	12880
GI	none	Score	54
Exons	3717..3977, 3799..3963, 3996..4385, 4039..4281, 12236..12400, 12401..12880, 12403..12600, 12563..12823		

Seq. No.	31081	Seq. ID	OJ990429_09.9A19.C44
Gene No.	64346	Strand	-
Start	13188	End	13347
Name	OJ990429_09.9A19.C44.o1.tc	Method	TBLASTX:Cress
Start	3747	End	12874
GI	none	Score	37
Exons	3747..3992, 3981..4112, 12201..12239, 12235..12324, 12236..12496, 12430..12501, 12506..12622, 12514..12600, 12620..12874, 12673..12831		

Seq. No.	31081	Seq. ID	OJ990429_09.9A19.C44
Gene No.	64346	Strand	-
Start	13188	End	13347
Name	OJ990429_09.9A19.C44.o1.tm	Method	TBLASTX:Maize
Start	3747	End	12877
GI	none	Score	361
Exons	3747..4403, 3757..4395, 12236..12370, 12398..12622, 12415..12573, 12629..12877, 12647..12763		

Seq. No.	31081	Seq. ID	OJ990429_09.9A19.C44
Gene No.	64346	Strand	-
Start	13188	End	13347
Name	OJ990429_09.9A19.C44.o5.tw	Method	TBLASTX:Wheat
Start	3792	End	12835
GI	none	Score	58
Exons	3792..3968, 3796..3966, 3801..3983, 3987..4226, 12422..12625, 12526..12597, 12662..12835		

Seq. No.	31081	Seq. ID	OJ990429_09.9A19.C44
Gene No.	64346	Strand	-
Start	13188	End	13347
Name	OJ990429_09.9A19.C44.o6.tm	Method	TBLASTX:Maize
Start	4404	End	12236
GI	none	Score	253
Exons	4404..4643, 11988..12236, 12071..12217		

Seq. No.	31081	Seq. ID	OJ990429_09.9A19.C44
Gene No.	64346	Strand	-
Start	13188	End	13347
Name	OJ990429_09.9A19.C44.o1.tw	Method	TBLASTX:Wheat
Start	4554	End	12062
GI	none	Score	69

Exons	4554..4706, 4749..4910, 4912..5094, 4912..5100, 11522..11653, 11523..11870, 11678..11749, 11859..12062		
Seq. No.	31081	Seq. ID	OJ990429_09.9A19.C44
Gene No.	64346	Strand	-
Start	13188	End	13347
Name	OJ990429_09.9A19.C44.o3.tm	Method	TBLASTX:Maize
Start	4656	End	11987
GI	none	Score	88
Exons	4656..4901, 4656..4892, 4720..4911, 4915..5100, 4916..5101, 11522..11653, 11523..11987, 11678..11830		
Seq. No.	31081	Seq. ID	OJ990429_09.9A19.C44
Gene No.	64346	Strand	-
Start	13188	End	13347
Name	OJ990429_09.9A19.C44.o1.ts	Method	TBLASTX:Soybean
Start	4756	End	11855
GI	5509260	Score	142
Exons	4756..4911, 4761..4910, 4913..4981, 4914..4961, 4915..5130, 4915..5145, 5066..5137, 11388..11855, 11450..11830		
GI Descrip.	-		
Seq. No.	31081	Seq. ID	OJ990429_09.9A19.C44
Gene No.	64346	Strand	-
Start	13188	End	13347
Name	OJ990429_09.9A19.C44.o2.tc	Method	TBLASTX:Cress
Start	4915	End	11741
GI	none	Score	250
Exons	4915..5148, 11466..11741, 11480..11614		
Seq. No.	31081	Seq. ID	OJ990429_09.9A19.C44
Gene No.	64346	Strand	-
Start	13188	End	13347
Name	OJ990429_09.9A19.C44.o3.tc	Method	TBLASTX:Cress
Start	5150	End	11000
GI	none	Score	62
Exons	5150..5224, 5231..5509, 5336..5509, 10558..10737, 10773..11000		
Seq. No.	31081	Seq. ID	OJ990429_09.9A19.C44
Gene No.	64346	Strand	-
Start	13188	End	13347
Name	OJ990429_09.9A19.C44.o6.tw	Method	TBLASTX:Wheat
Start	5150	End	10865
GI	none	Score	65
Exons	5150..5215, 5210..5290, 5309..5470, 5318..5557, 5600..5743, 10533..10730, 10534..10740, 10776..10865		
Seq. No.	31081	Seq. ID	OJ990429_09.9A19.C44
Gene No.	64346	Strand	-
Start	13188	End	13347
Name	OJ990429_09.9A19.C44.o3.ts	Method	TBLASTX:Soybean
Start	5153	End	11024
GI	none	Score	122
Exons	5153..5224, 5231..5527, 5232..5507, 5339..5509, 10540..10734, 10569..10733, 10734..11024		
Seq. No.	31081	Seq. ID	OJ990429_09.9A19.C44

Gene No.	64346	Strand	-
Start	13188	End	13347
Name	OJ990429_09.9A19.C44.o2.tm	Method	TBLASTX:Maize
Start	5213	End	10997
GI	none	Score	229
Exons	5213..5572, 5217..5549, 5634..5696, 5636..5701, 10376..10435, 10534..10740, 10569..10745, 10728..10997		

Seq. No.	31081	Seq. ID	OJ990429_09.9A19.C44
Gene No.	64346	Strand	-
Start	13188	End	13347
Name	OJ990429_09.9A19.C44.o5.ts	Method	TBLASTX:Soybean
Start	5600	End	10447
GI	none	Score	66
Exons	5600..5743, 5609..5728, 10172..10447, 10268..10348		

Seq. No.	31081	Seq. ID	OJ990429_09.9A19.C44
Gene No.	64346	Strand	-
Start	13188	End	13347
Name	OJ990429_09.9A19.C44.o2.tw	Method	TBLASTX:Wheat
Start	5849	End	10228
GI	none	Score	287
Exons	5849..5917, 9782..10147, 9823..10011, 9866..10150, 10148..10228		

Seq. No.	31081	Seq. ID	OJ990429_09.9A19.C44
Gene No.	64346	Strand	-
Start	13188	End	13347
Name	OJ990429_09.9A19.C44.o7.tm	Method	TBLASTX:Maize
Start	8705	End	8950
GI	none	Score	192
Exons	8705..8950, 8750..8869		

Seq. No.	31081	Seq. ID	OJ990429_09.9A19.C44
Gene No.	64346	Strand	-
Start	13188	End	13347
Name	OJ990429_09.9A19.C44.o4.tm	Method	TBLASTX:Maize
Start	9698	End	10168
GI	none	Score	60
Exons	9698..9784, 9760..9990, 9761..9979, 9863..10093, 10013..10168		

Seq. No.	31081	Seq. ID	OJ990429_09.9A19.C44
Gene No.	64346	Strand	-
Start	13188	End	13347
Name	OJ990429_09.9A19.C44.o1.gp	Method	AAT/GAP
Start	13188	End	13347
GI	20688_1.R1084	Score	252
Exons	13188..13347		
GI Descrip.	'4521193/dbj\|AB013450.1\|AB013450 1.0e-99 Oryza sativa DNA, similar sequence to Pib gene'		

Seq. No.	31081	Seq. ID	OJ990429_09.9A19.C44
Gene No.	64347	Strand	
Start	14394	End	16688
Name	OJ990429_09.9A19.C44.o4.tc	Method	TBLASTX:Cress
Start	14394	End	16688
GI	none	Score	75
Exons	14394..14456, 15947..16036, 15948..16049, 16191..16277,		

16229..16291, 16344..16490, 16364..16489, 16506..16571,
16514..16579, 16599..16688

Seq. No.	31081	Seq. ID	OJ990429_09.9A19.C44
Gene No.	64347	Strand	
Start	14394	End	16688
Name	OJ990429_09.9A19.C44.o4.ts	Method	TBLASTX:Soybean
Start	15990	End	16658
GI	none	Score	71
Exons	15990..16172, 16179..16526, 16211..16282, 16358..16492, 16592..16630, 16599..16658		

Seq. No.	31081	Seq. ID	OJ990429_09.9A19.C44
Gene No.	64347	Strand	
Start	14394	End	16688
Name	OJ990429_09.9A19.C44.o4.tw	Method	TBLASTX:Wheat
Start	16179	End	16483
GI	none	Score	233
Exons	16179..16481, 16211..16483		

Seq. No.	31081	Seq. ID	OJ990429_09.9A19.C44
Gene No.	64347	Strand	
Start	14394	End	16688
Name	OJ990429_09.9A19.C44.o5.tm	Method	TBLASTX:Maize
Start	16265	End	16532
GI	none	Score	272
Exons	16265..16504, 16269..16532, 16275..16508		

Seq. No.	31081	Seq. ID	OJ990429_09.9A19.C44
Gene No.	64348	Strand	
Start	16805	End	17149
Name	OJ990429_09.9A19.C44.o3.tw	Method	TBLASTX:Wheat
Start	16805	End	17149
GI	none	Score	243
Exons	16805..17149, 16812..17147		

Seq. No.	31082	Seq. ID	OJ990429_09.9A19.C46
Gene No.	64349	Strand	-
Start	99	End	157
Name	OJ990429_09.9A19.C46.o1.gs	Method	GENSCAN
Start	99	End	157
GI	none	Score	71
Exons	99..157		

Seq. No.	31083	Seq. ID	OJ990429_09.9A19.C47
Gene No.	64350	Strand	+
Start	1	End	1869
Name	OJ990429_09.9A19.C47.o1.np	Method	AAT/NAP
Start	1	End	532
GI	5734635	Score	169
Exons	1..532		
GI Descrip.	(AP000391) hypothetical protein [Oryza sativa]		

Seq. No.	31083	Seq. ID	OJ990429 09.9A19.C47
Gene No.	64350	Strand	+
Start	1	End	1869
Name	OJ990429_09.9A19.C47.o1.gs	Method	GENSCAN

Start	174	End	1224
GI	none	Score	.67
Exons	174..254, 1042..1224		

Seq. No.	31083	Seq. ID	OJ990429_09.9A19.C47
Gene No.	64350	Strand	+
Start	1	End	1869
Name	OJ990429_09.9A19.C47.o2.np	Method	AAT/NAP
Start	953	End	1869
GI	6539588	Score	191
Exons	953..1252, 1799..1869		
GI Descrip.	(AP000837) hypothetical protein [Oryza sativa]		

Seq. No.	31084	Seq. ID	OJ990819_08.9A22.C2
Gene No.	64351	Strand	+
Start	107	End	571
Name	OJ990819_08.9A22.C2.o1.gp	Method	AAT/GAP
Start	107	End	226
GI	none	Score	200
Exons	107..226		

Seq. No.	31084	Seq. ID	OJ990819_08.9A22.C2
Gene No.	64351	Strand	+
Start	107	End	571
Name	OJ990819_08.9A22.C2.o1.gs	Method	GENSCAN
Start	107	End	571
GI	none	Score	.65
Exons	107..224, 513..571		

Seq. No.	31085	Seq. ID	OJ990819_08.9A22.C3
Gene No.	64352	Strand	+
Start	1	End	2685
Name	OJ990819_08.9A22.C3.o1.np	Method	AAT/NAP
Start	1	End	2397
GI	2529677	Score	469
Exons	1..198, 280..443, 545..651, 2367..2397		
GI Descrip.	(AC002535) putative kinesin heavy chain [Arabidopsis thaliana]		

Seq. No.	31085	Seq. ID	OJ990819_08.9A22.C3
Gene No.	64352	Strand	+
Start	1	End	2685
Name	OJ990819_08.9A22.C3.o1.gs	Method	GENSCAN
Start	255	End	2685
GI	none	Score	.8
Exons	255..422, 545..703, 1171..1583, 1693..1841, 2489..2685		

Seq. No.	31085	Seq. ID	OJ990819_08.9A22.C3
Gene No.	64353	Strand	-
Start	2029	End	7798
Name	OJ990819_08.9A22.C3.o2.np	Method	AAT/NAP
Start	2029	End	4920
GI	4539298	Score	362
Exons	2029..2058, 3831..4033, 4197..4360, 4461..4920		
GI Descrip.	(AL049480) putative calmodulin-binding protein [Arabidopsis thaliana]		

Seq. No.	31085	Seq. ID	OJ990819_08.9A22.C3

Gene No.	64353	Strand	-
Start	2029	End	7798
Name	OJ990819_08.9A22.C3.o1.gp	Method	AAT/GAP
Start	2188	End	2757
GI	none	Score	1022
Exons	2188..2757		

Seq. No.	31085	Seq. ID	OJ990819_08.9A22.C3
Gene No.	64353	Strand	-
Start	2029	End	7798
Name	OJ990819_08.9A22.C3.o2.gs	Method	GENSCAN
Start	3419	End	7798
GI	none	Score	.84
Exons	3419..3513, 3598..3760, 3836..4033, 4200..4360, 4461..4948, 5074..5132, 5642..5686, 7745..7798		

Seq. No.	31085	Seq. ID	OJ990819_08.9A22.C3
Gene No.	64353	Strand	-
Start	2029	End	7798
Name	OJ990819_08.9A22.C3.o2.gp	Method	AAT/GAP
Start	5618	End	6034
GI	LIB3475-006-P1-K1-G7	Score	517
Exons	5618..5686, 5787..6034		
GI Descrip.	'3063661/gb\|AAC14280.1\| 5.0e-36 (AF058391) nucleoside diphosphate kinase Ia [Arabidopsis thaliana]'		

Seq. No.	31085	Seq. ID	OJ990819_08.9A22.C3
Gene No.	64354	Strand	-
Start	9157	End	9214
Name	OJ990819_08.9A22.C3.o1.tm	Method	TBLASTX:Maize
Start	13	End	446
GI	none	Score	258
Exons	13..171, 20..199, 21..200, 276..320, 278..445, 279..446, 342..446		

Seq. No.	31085	Seq. ID	OJ990819_08.9A22.C3
Gene No.	64354	Strand	-
Start	9157	End	9214
Name	OJ990819_08.9A22.C3.o1.tc	Method	TBLASTX:Cress
Start	20	End	446
GI	none	Score	270
Exons	20..199, 21..200, 278..442, 279..446, 297..446		

Seq. No.	31085	Seq. ID	OJ990819_08.9A22.C3
Gene No.	64354	Strand	-
Start	9157	End	9214
Name	OJ990819_08.9A22.C3.o1.ts	Method	TBLASTX:Soybean
Start	20	End	343
GI	none	Score	278
Exons	20..199, 21..200, 278..343, 279..341		

Seq. No.	31085	Seq. ID	OJ990819_08.9A22.C3
Gene No.	64354	Strand	-
Start	9157	End	9214
Name	OJ990819_08.9A22.C3.o1.tw	Method	TBLASTX:Wheat
Start	101	End	446
GI	none	Score	116

Exons	101..199, 102..200, 278..445, 279..446		
Seq. No.	31085	Seq. ID	OJ990819_08.9A22.C3
Gene No.	64354	Strand	-
Start	9157	End	9214
Name	OJ990819_08.9A22.C3.o3.gp	Method	AAT/GAP
Start	9157	End	9214
GI	2312838	Score	61
Exons	9157..9214		
GI Descrip.	1420932/gb\|U61383\|ORU61383 7.0e-21 Oryza rufipogon 4-coumarate-CoA ligase gene, intron 1, partial sequence		
Seq. No.	31086	Seq. ID	OJ990819_08.9A22.C4
Gene No.	64355	Strand	+
Start	507	End	638
Name	OJ990819_08.9A22.C4.o1.np	Method	AAT/NAP
Start	507	End	638
GI	6721512	Score	66
Exons	507..638		
GI Descrip.	(AP001072) hypothetical protein [Oryza sativa]		
Seq. No.	31086	Seq. ID	OJ990819_08.9A22.C4
Gene No.	64356	Strand	+
Start	1469	End	8407
Name	OJ990819_08.9A22.C4.o1.gs	Method	GENSCAN
Start	1469	End	8407
GI	none	Score	.61
Exons	1469..2102, 2269..2393, 2506..2604, 3255..3562, 3684..3826, 3925..4378, 6984..7192, 8292..8407		
Seq. No.	31086	Seq. ID	OJ990819_08.9A22.C4
Gene No.	64357	Strand	+
Start	10575	End	19497
Name	OJ990819_08.9A22.C4.o4.np	Method	AAT/NAP
Start	10575	End	19497
GI	6721512	Score	79
Exons	10575..10603, 14423..14476, 15252..15389, 19462..19497		
GI Descrip.	(AP001072) hypothetical protein [Oryza sativa]		
Seq. No.	31086	Seq. ID	OJ990819_08.9A22.C4
Gene No.	64358	Strand	-
Start	8960	End	12086
Name	OJ990819_08.9A22.C4.o2.gs	Method	GENSCAN
Start	8960	End	12086
GI	none	Score	.45
Exons	8960..9373, 9434..10899, 10934..12086		
Seq. No.	31086	Seq. ID	OJ990819_08.9A22.C4
Gene No.	64358	Strand	-
Start	8960	End	12086
Name	OJ990819_08.9A22.C4.o2.np	Method	AAT/NAP
Start	8963	End	12086
GI	5902445	Score	3108
Exons	8963..10204, 10244..12086		
GI Descrip.	(AB030283) GAG-POL precursor [Oryza sativa]		
Seq. No.	31086	Seq. ID	OJ990819_08.9A22.C4

Gene No.	64359	Strand	-
Start	12153	End	19427
Name	OJ990819_08.9A22.C4.o1.tw	Method	TBLASTX:Wheat
Start	1773	End	12141
GI	none	Score	374
Exons	1773..1874, 11685..12140, 11686..12141		

Seq. No.	31086	Seq. ID	OJ990819_08.9A22.C4
Gene No.	64359	Strand	-
Start	12153	End	19427
Name	OJ990819_08.9A22.C4.o3.tw	Method	TBLASTX:Wheat
Start	8972	End	9582
GI	none	Score	66
Exons	8972..9103, 8973..9098, 9128..9580, 9324..9431, 9526..9582		

Seq. No.	31086	Seq. ID	OJ990819_08.9A22.C4
Gene No.	64359	Strand	-
Start	12153	End	19427
Name	OJ990819_08.9A22.C4.o5.tm	Method	TBLASTX:Maize
Start	9008	End	9274
GI	none	Score	148
Exons	9008..9091, 9092..9274		

Seq. No.	31086	Seq. ID	OJ990819_08.9A22.C4
Gene No.	64359	Strand	-
Start	12153	End	19427
Name	OJ990819_08.9A22.C4.o4.tw	Method	TBLASTX:Wheat
Start	9704	End	10087
GI	none	Score	216
Exons	9704..10087, 9705..10079		

Seq. No.	31086	Seq. ID	OJ990819_08.9A22.C4
Gene No.	64359	Strand	-
Start	12153	End	19427
Name	OJ990819_08.9A22.C4.o2.tm	Method	TBLASTX:Maize
Start	9782	End	10093
GI	none	Score	176
Exons	9782..10093, 9783..10070		

Seq. No.	31086	Seq. ID	OJ990819_08.9A22.C4
Gene No.	64359	Strand	-
Start	12153	End	19427
Name	OJ990819_08.9A22.C4.o8.tw	Method	TBLASTX:Wheat
Start	10292	End	10558
GI	none	Score	177
Exons	10292..10558		

Seq. No.	31086	Seq. ID	OJ990819_08.9A22.C4
Gene No.	64359	Strand	-
Start	12153	End	19427
Name	OJ990819_08.9A22.C4.o3.ts	Method	TBLASTX:Soybean
Start	10490	End	10873
GI	none	Score	85
Exons	10490..10738, 10748..10873		

Seq. No.	31086	Seq. ID	OJ990819_08.9A22.C4
Gene No.	64359	Strand	-

Start	12153	End	19427
Name	OJ990819_08.9A22.C4.o6.tw	Method	TBLASTX:Wheat
Start	10589	End	10997
GI	none	Score	60
Exons	10589..10669, 10589..10762, 10770..10997, 10772..10996		

Seq. No.	31086	Seq. ID	OJ990819_08.9A22.C4
Gene No.	64359	Strand	-
Start	12153	End	19427
Name	OJ990819_08.9A22.C4.o1.ts	Method	TBLASTX:Soybean
Start	11091	End	11516
GI	none	Score	84
Exons	11091..11516, 11332..11457		

Seq. No.	31086	Seq. ID	OJ990819_08.9A22.C4
Gene No.	64359	Strand	-
Start	12153	End	19427
Name	OJ990819_08.9A22.C4.o2.tw	Method	TBLASTX:Wheat
Start	11146	End	11570
GI	none	Score	231
Exons	11146..11460, 11148..11570, 11181..11570		

Seq. No.	31086	Seq. ID	OJ990819_08.9A22.C4
Gene No.	64359	Strand	-
Start	12153	End	19427
Name	OJ990819_08.9A22.C4.o3.tm	Method	TBLASTX:Maize
Start	11244	End	11627
GI	none	Score	96
Exons	11244..11627, 11245..11460, 11411..11593, 11490..11600		

Seq. No.	31086	Seq. ID	OJ990819_08.9A22.C4
Gene No.	64359	Strand	-
Start	12153	End	19427
Name	OJ990819_08.9A22.C4.o1.tm	Method	TBLASTX:Maize
Start	11655	End	12011
GI	none	Score	220
Exons	11655..12011, 11668..11949, 11709..11957		

Seq. No.	31086	Seq. ID	OJ990819_08.9A22.C4
Gene No.	64359	Strand	-
Start	12153	End	19427
Name	OJ990819_08.9A22.C4.o2.ts	Method	TBLASTX:Soybean
Start	11736	End	12101
GI	none	Score	111
Exons	11736..11870, 11877..12101		

Seq. No.	31086	Seq. ID	OJ990819_08.9A22.C4
Gene No.	64359	Strand	-
Start	12153	End	19427
Name	OJ990819_08.9A22.C4.o3.np	Method	AAT/NAP
Start	12153	End	14317
GI	5902444	Score	1073
Exons	12153..13811, 14139..14317		
GI Descrip.	(AB030283) GAG-POL precursor [Oryza sativa]		

Seq. No.	31086	Seq. ID	OJ990819_08.9A22.C4
Gene No.	64359	Strand	-

Start	12153	End	19427
Name	OJ990819_08.9A22.C4.o5.tw	Method	TBLASTX:Wheat
Start	12333	End	12788
GI	none	Score	86
Exons	12333..12569, 12390..12563, 12451..12567, 12606..12788, 12607..12780		

Seq. No.	31086	Seq. ID	OJ990819_08.9A22.C4
Gene No.	64359	Strand	-
Start	12153	End	19427
Name	OJ990819_08.9A22.C4.o3.gs	Method	GENSCAN
Start	12402	End	19427
GI	none	Score	.5
Exons	12402..13310, 13380..15207, 15252..15325, 16165..16419, 19296..19427		

Seq. No.	31086	Seq. ID	OJ990819_08.9A22.C4
Gene No.	64359	Strand	-
Start	12153	End	19427
Name	OJ990819_08.9A22.C4.o7.tw	Method	TBLASTX:Wheat
Start	13419	End	13811
GI	none	Score	87
Exons	13419..13694, 13420..13647, 13653..13766, 13705..13755, 13767..13811		

Seq. No.	31086	Seq. ID	OJ990819_08.9A22.C4
Gene No.	64359	Strand	-
Start	12153	End	19427
Name	OJ990819_08.9A22.C4.o4.tm	Method	TBLASTX:Maize
Start	13533	End	13772
GI	none	Score	195
Exons	13533..13772		

Seq. No.	31087	Seq. ID	OJ990819_08.9A22.C5
Gene No.	64360	Strand	-
Start	16	End	377
Name	OJ990819_08.9A22.C5.o1.gs	Method	GENSCAN
Start	16	End	377
GI	none	Score	.52
Exons	16..377		

Seq. No.	31087	Seq. ID	OJ990819_08.9A22.C5
Gene No.	64361	Strand	-
Start	1762	End	7394
Name	OJ990819_08.9A22.C5.o1.gp	Method	AAT/GAP
Start	1596	End	1724
GI	none	Score	194
Exons	1596..1724		

Seq. No.	31087	Seq. ID	OJ990819_08.9A22.C5
Gene No.	64361	Strand	-
Start	1762	End	7394
Name	OJ990819_08.9A22.C5.o2.gs	Method	GENSCAN
Start	1762	End	7258
GI	none	Score	.75
Exons	1762..2394, 2941..3115, 4586..4809, 5528..7258		

Seq. No.	31087	Seq. ID	OJ990819_08.9A22.C5
Gene No.	64361	Strand	-
Start	1762	End	7394
Name	OJ990819_08.9A22.C5.o1.np	Method	AAT/NAP
Start	1765	End	7394
GI	5281022	Score	2338
Exons	1765..2394, 2941..3115, 3236..3365, 3539..3653, 3726..3813, 4152..4243, 4318..4809, 5528..7394		
GI Descrip.	(Z97339) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	31087	Seq. ID	OJ990819_08.9A22.C5
Gene No.	64361	Strand	-
Start	1762	End	7394
Name	OJ990819_08.9A22.C5.o1.ts	Method	TBLASTX:Soybean
Start	2044	End	3064
GI	none	Score	117
Exons	2044..2277, 2153..2278, 2287..2397, 2357..2398, 2933..3061, 2940..3056, 2941..3063, 2990..3064		

Seq. No.	31087	Seq. ID	OJ990819_08.9A22.C5
Gene No.	64361	Strand	-
Start	1762	End	7394
Name	OJ990819_08.9A22.C5.o1.tm	Method	TBLASTX:Maize
Start	2044	End	2301
GI	none	Score	56
Exons	2044..2301, 2112..2153, 2153..2278		

Seq. No.	31087	Seq. ID	OJ990819_08.9A22.C5
Gene No.	64361	Strand	-
Start	1762	End	7394
Name	OJ990819_08.9A22.C5.o1.tc	Method	TBLASTX:Cress
Start	3540	End	4243
GI	none	Score	130
Exons	3540..3653, 3544..3654, 3547..3654, 3721..3813, 3726..3812, 4154..4243		

Seq. No.	31088	Seq. ID	OJ990819_08.9A22.C6
Gene No.	64362	Strand	-
Start	2586	End	11198
Name	OJ990819_08.9A22.C6.o1.gs	Method	GENSCAN
Start	2586	End	11198
GI	none	Score	.81
Exons	2586..2711, 4869..5045, 5706..5795, 6663..6728, 6921..7018, 7117..7237, 7323..8925, 9780..10244, 10412..10835, 10907..11198		

Seq. No.	31088	Seq. ID	OJ990819_08.9A22.C6
Gene No.	64362	Strand	-
Start	2586	End	11198
Name	OJ990819_08.9A22.C6.o2.gp	Method	AAT/GAP
Start	3536	End	7493
GI	16295_1.R1084	Score	2348
Exons	3536..4069, 4869..5045, 5706..5795, 6663..6728, 6921..7018, 7117..7237, 7323..7493		
GI Descrip.	'4586253/emb\|CAB40994.1\| 4.0e-66 (AL049640) auxilin-like protein [Arabidopsis thaliana]'		

Seq. No.	31088	Seq. ID	OJ990819_08.9A22.C6

Gene No.	64362	Strand	-
Start	2586	End	11198
Name	OJ990819_08.9A22.C6.o2.tm	Method	TBLASTX:Maize
Start	3643	End	7541
GI	none	Score	61
Exons	3643..3678, 3646..3681, 3731..3766, 3744..3773, 3784..3807, 3881..4003, 4023..4070, 4025..4072, 4867..5046, 4868..4978, 4869..5045, 5018..5056, 5703..5795, 5704..5805, 6663..6728, 6663..6728, 6664..6729, 6917..7009, 6920..6979, 7112..7183, 7114..7215, 7118..7216, 7119..7193, 7183..7245, 7202..7261, 7202..7237, 7315..7383, 7321..7398, 7326..7415, 7481..7501, 7506..7541		

Seq. No.	31088	Seq. ID	OJ990819_08.9A22.C6
Gene No.	64362	Strand	-
Start	2586	End	11198
Name	OJ990819_08.9A22.C6.o1.np	Method	AAT/NAP
Start	4034	End	10363
GI	4586253	Score	1430
Exons	4034..4069, 4869..5045, 5706..5795, 6663..6731, 6877..7000, 7093..7244, 7301..7417, 7457..7538, 7602..8583, 8659..8925, 9772..10363		
GI Descrip.	(AL049640) auxilin-like protein [Arabidopsis thaliana]		

Seq. No.	31088	Seq. ID	OJ990819_08.9A22.C6
Gene No.	64362	Strand	-
Start	2586	End	11198
Name	OJ990819_08.9A22.C6.o1.tc	Method	TBLASTX:Cress
Start	4867	End	6729
GI	none	Score	213
Exons	4867..5046, 4869..5045, 5703..5783, 5704..5784, 6666..6728, 6670..6729		

Seq. No.	31088	Seq. ID	OJ990819_08.9A22.C6
Gene No.	64362	Strand	-
Start	2586	End	11198
Name	OJ990819_08.9A22.C6.o1.ts	Method	TBLASTX:Soybean
Start	4867	End	5786
GI	none	Score	235
Exons	4867..5052, 4869..5057, 4959..5054, 5703..5786, 5716..5784		

Seq. No.	31088	Seq. ID	OJ990819_08.9A22.C6
Gene No.	64362	Strand	-
Start	2586	End	11198
Name	OJ990819_08.9A22.C6.o1.tm	Method	TBLASTX:Maize
Start	7544	End	8406
GI	none	Score	114
Exons	7544..7582, 7581..7715, 7682..7822, 7823..7870, 7879..7977, 7922..8149, 7952..8059, 7956..8141, 8038..8157, 8053..8157, 8142..8225, 8150..8278, 8153..8278, 8169..8285, 8279..8311, 8280..8321, 8284..8313, 8284..8340, 8290..8406, 8316..8405		

Seq. No.	31088	Seq. ID	OJ990819_08.9A22.C6
Gene No.	64362	Strand	-
Start	2586	End	11198
Name	OJ990819_08.9A22.C6.o3.tm	Method	TBLASTX:Maize
Start	8409	End	8793

GI	none	Score	44
Exons	8409..8462, 8414..8464, 8493..8792, 8502..8792, 8503..8793		

Seq. No.	31088	Seq. ID	OJ990819_08.9A22.C6
Gene No.	64362	Strand	-
Start	2586	End	11198
Name	OJ990819_08.9A22.C6.o3.gp	Method	AAT/GAP
Start	8736	End	9895
GI	none	Score	561
Exons	8736..8925, 9780..9895		

Seq. No.	31089	Seq. ID	OJ990819_08.9A22.C8
Gene No.	64363	Strand	+
Start	390	End	658
Name	OJ990819_08.9A22.C8.o1.gs	Method	GENSCAN
Start	390	End	658
GI	none	Score	.5
Exons	390..464, 557..658		

Seq. No.	31090	Seq. ID	OJ990819_08.9A22.C11
Gene No.	64364	Strand	+
Start	1	End	595
Name	OJ990819_08.9A22.C11.o1.np	Method	AAT/NAP
Start	1	End	595
GI	3421378	Score	383
Exons	1..69, 172..278, 367..595		
GI Descrip.	(AF080249) kinesin-like heavy chain [Arabidopsis thaliana]		

Seq. No.	31090	Seq. ID	OJ990819_08.9A22.C11
Gene No.	64364	Strand	+
Start	1	End	595
Name	OJ990819_08.9A22.C11.o1.tc	Method	TBLASTX:Cress
Start	2	End	543
GI	none	Score	73
Exons	2..64, 3..68, 171..278, 188..277, 357..431, 358..543		

Seq. No.	31090	Seq. ID	OJ990819_08.9A22.C11
Gene No.	64364	Strand	+
Start	1	End	595
Name	OJ990819_08.9A22.C11.o1.tm	Method	TBLASTX:Maize
Start	12	End	529
GI	none	Score	58
Exons	12..68, 171..278, 194..277, 358..522, 367..522, 368..529		

Seq. No.	31090	Seq. ID	OJ990819_08.9A22.C11
Gene No.	64364	Strand	+
Start	1	End	595
Name	OJ990819_08.9A22.C11.o1.ts	Method	TBLASTX:Soybean
Start	17	End	543
GI	none	Score	64
Exons	17..55, 18..68, 148..264, 160..267, 174..278, 188..277, 358..543, 367..522, 452..535		

Seq. No.	31090	Seq. ID	OJ990819_08.9A22.C11
Gene No.	64364	Strand	+
Start	1	End	595
Name	OJ990819_08.9A22.C11.o1.gs	Method	GENSCAN

Start	189	End	507
GI	none	Score	.91
Exons	189..278, 367..507		

Seq. No.	31091	Seq. ID	OJ990819_08.9A22.C12
Gene No.	64365	Strand	+
Start	300	End	1573
Name	OJ990819_08.9A22.C12.o1.gs	Method	GENSCAN
Start	300	End	1573
GI	none	Score	.6
Exons	300..471, 1475..1573		

Seq. No.	31092	Seq. ID	OJ990819_08.9A22.C14
Gene No.	64366	Strand	+
Start	80	End	2605
Name	OJ990819_08.9A22.C14.o1.gs	Method	GENSCAN
Start	80	End	2605
GI	none	Score	.63
Exons	80..331, 1700..1872, 2587..2605		

Seq. No.	31093	Seq. ID	OJ990819_08.9A22.C15
Gene No.	64367	Strand	-
Start	369	End	3099
Name	OJ990819_08.9A22.C15.o1.gs	Method	GENSCAN
Start	369	End	3099
GI	none	Score	.62
Exons	369..418, 1034..1305, 1618..1651, 3018..3099		

Seq. No.	31094	Seq. ID	OJ990819_08.9A22.C16
Gene No.	64368	Strand	+
Start	534	End	2814
Name	OJ990819_08.9A22.C16.o1.gs	Method	GENSCAN
Start	534	End	2814
GI	none	Score	.65
Exons	534..813, 2647..2814		

Seq. No.	31095	Seq. ID	OJ990819_08.9A22.C17
Gene No.	64369	Strand	+
Start	423	End	533
Name	OJ990819_08.9A22.C17.o1.gs	Method	GENSCAN
Start	423	End	533
GI	none	Score	.58
Exons	423..533		

Seq. No.	31095	Seq. ID	OJ990819_08.9A22.C17
Gene No.	64370	Strand	-
Start	826	End	1722
Name	OJ990819_08.9A22.C17.o2.gs	Method	GENSCAN
Start	826	End	1146
GI	none	Score	.99
Exons	826..920, 1041..1146		

Seq. No.	31095	Seq. ID	OJ990819_08.9A22.C17
Gene No.	64370	Strand	-
Start	826	End	1722
Name	OJ990819_08.9A22.C17.o1.np	Method	AAT/NAP
Start	992	End	1722

GI	5091499	Score	57
Exons	992..1194, 1682..1722		
GI Descrip.	(AB023482) Similar to Human mRNA for alpha 1 (III) collagen fragment (aa 892-1023).(X01655) [Oryza sativa]		

Seq. No.	31096	Seq. ID	OJ990819_08.9A22.C18
Gene No.	64371	Strand	-
Start	1366	End	1754
Name	OJ990819_08.9A22.C18.o1.gs	Method	GENSCAN
Start	1366	End	1754
GI	none	Score	.83
Exons	1366..1641, 1695..1754		

Seq. No.	31096	Seq. ID	OJ990819_08.9A22.C18
Gene No.	64372	Strand	-
Start	2473	End	2667
Name	OJ990819_08.9A22.C18.o2.gs	Method	GENSCAN
Start	2473	End	2667
GI	none	Score	.57
Exons	2473..2667		

Seq. No.	31097	Seq. ID	OJ990819_08.9A22.C19
Gene No.	64373	Strand	+
Start	5	End	2528
Name	OJ990819_08.9A22.C19.o1.np	Method	AAT/NAP
Start	5	End	2528
GI	2651297	Score	433
Exons	5..81, 638..964, 2225..2528		
GI Descrip.	(AC002336) putative expansin [Arabidopsis thaliana]		

Seq. No.	31097	Seq. ID	OJ990819_08.9A22.C19
Gene No.	64373	Strand	+
Start	5	End	2528
Name	OJ990819_08.9A22.C19.o1.gp	Method	AAT/GAP
Start	388	End	904
GI	uC-osflm202102h06b1	Score	908
Exons	388..570, 598..904		
GI Descrip.	'1041704 2.0e-19 (U30478) expansin At-EXP5 [Arabidopsis thaliana]'		

Seq. No.	31097	Seq. ID	OJ990819_08.9A22.C19
Gene No.	64373	Strand	+
Start	5	End	2528
Name	OJ990819_08.9A22.C19.o1.gs	Method	GENSCAN
Start	420	End	1566
GI	none	Score	.45
Exons	420..964, 1527..1566		

Seq. No.	31097	Seq. ID	OJ990819_08.9A22.C19
Gene No.	64374	Strand	+
Start	4734	End	12179
Name	OJ990819_08.9A22.C19.o3.gs	Method	GENSCAN
Start	4734	End	12109
GI	none	Score	.64
Exons	4734..4755, 5393..5531, 7323..7525, 7552..7639, 8732..9147, 9247..9410, 10135..10239, 10328..10375, 11843..12109		

Seq. No.	31097	Seq. ID	OJ990819_08.9A22.C19
Gene No.	64374	Strand	+
Start	4734	End	12179
Name	OJ990819_08.9A22.C19.o3.gp	Method	AAT/GAP
Start	11783	End	12179
GI	none	Score	786
Exons	11783..12179		

Seq. No.	31097	Seq. ID	OJ990819_08.9A22.C19
Gene No.	64375	Strand	-
Start	2183	End	2443
Name	OJ990819_08.9A22.C19.o2.gs	Method	GENSCAN
Start	2183	End	2443
GI	none	Score	.95
Exons	2183..2392, 2417..2443		

Seq. No.	31097	Seq. ID	OJ990819_08.9A22.C19
Gene No.	64376	Strand	-
Start	2459	End	2745
Name	OJ990819_08.9A22.C19.o1.tm	Method	TBLASTX:Maize
Start	603	End	2554
GI	none	Score	129
Exons	603..704, 611..703, 696..740, 725..772, 726..812, 831..863, 885..965, 885..962, 2222..2527, 2223..2528, 2507..2554		

Seq. No.	31097	Seq. ID	OJ990819_08.9A22.C19
Gene No.	64376	Strand	-
Start	2459	End	2745
Name	OJ990819_08.9A22.C19.o1.tc	Method	TBLASTX:Cress
Start	638	End	2516
GI	none	Score	86
Exons	638..703, 639..704, 714..809, 828..863, 885..965, 2223..2516		

Seq. No.	31097	Seq. ID	OJ990819_08.9A22.C19
Gene No.	64376	Strand	-
Start	2459	End	2745
Name	OJ990819_08.9A22.C19.o1.ts	Method	TBLASTX:Soybean
Start	885	End	2516
GI	none	Score	90
Exons	885..965, 2223..2351, 2361..2516		

Seq. No.	31097	Seq. ID	OJ990819_08.9A22.C19
Gene No.	64376	Strand	-
Start	2459	End	2745
Name	OJ990819_08.9A22.C19.o2.gp	Method	AAT/GAP
Start	2459	End	2745
GI	none	Score	562
Exons	2459..2745		

Seq. No.	31098	Seq. ID	OJ990819_08.9A22.C20
Gene No.	64377	Strand	+
Start	1	End	2047
Name	OJ990819_08.9A22.C20.o1.np	Method	AAT/NAP
Start	1	End	2047
GI	2618701	Score	85
Exons	1..38, 483..714, 750..818, 2024..2047		
GI Descrip.	(AC002510) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	31098	Seq. ID	OJ990819_08.9A22.C20
Gene No.	64377	Strand	+
Start	1	End	2047
Name	OJ990819_08.9A22.C20.o1.gp	Method	AAT/GAP
Start	630	End	716
GI	LIB3433-014-Q6-K1-H3	Score	124
Exons	630..716		
GI Descrip.	'2618701 5.0e-26 (AC002510) hypothetical protein [Arabidopsis thaliana]'		

Seq. No.	31099	Seq. ID	OJ990819_08.9A22.C23
Gene No.	64378	Strand	-
Start	39	End	417
Name	OJ990819_08.9A22.C23.o1.gs	Method	GENSCAN
Start	39	End	417
GI	none	Score	.61
Exons	39..148, 184..241, 334..417		

Seq. No.	31100	Seq. ID	OJ990819_08.9A22.C24
Gene No.	64379	Strand	+
Start	325	End	437
Name	OJ990819_08.9A22.C24.o1.gs	Method	GENSCAN
Start	325	End	437
GI	none	Score	.69
Exons	325..437		

Seq. No.	31101	Seq. ID	OJ990819_08.9A22.C25
Gene No.	64380	Strand	+
Start	68	End	286
Name	OJ990819_08.9A22.C25.o1.gs	Method	GENSCAN
Start	68	End	286
GI	none	Score	.86
Exons	68..286		

Seq. No.	31101	Seq. ID	OJ990819_08.9A22.C25
Gene No.	64381	Strand	-
Start	2051	End	2169
Name	OJ990819_08.9A22.C25.o2.gs	Method	GENSCAN
Start	2051	End	2169
GI	none	Score	.81
Exons	2051..2169		

Seq. No.	31102	Seq. ID	OJ990819_08.9A22.C26
Gene No.	64382	Strand	+
Start	809	End	2685
Name	OJ990819_08.9A22.C26.o1.gp	Method	AAT/GAP
Start	809	End	1271
GI	LIB3432-059-P1-K1-D8	Score	730
Exons	809..1271		
GI Descrip.	'5734616/dbj\|AP000391.1\|AP000391 0.0e+00 Oryza sativa genomic DNA, chromosome 6, clone:P0538C01'		

Seq. No.	31102	Seq. ID	OJ990819_08.9A22.C26
Gene No.	64382	Strand	+
Start	809	End	2685
Name	OJ990819_08.9A22.C26.o1.gs	Method	GENSCAN

Start	827	End	2685
GI	none	Score	.58
Exons	827..891, 2514..2685		

Seq. No.	31102	Seq. ID	OJ990819_08.9A22.C26
Gene No.	64383	Strand	-
Start	3680	End	3759
Name	OJ990819_08.9A22.C26.o2.gs	Method	GENSCAN
Start	3680	End	3759
GI	none	Score	.77
Exons	3680..3759		

Seq. No.	31103	Seq. ID	OJ990819_08.9A22.C27
Gene No.	64384	Strand	-
Start	1616	End	2836
Name	OJ990819_08.9A22.C27.o1.gs	Method	GENSCAN
Start	1616	End	2836
GI	none	Score	.69
Exons	1616..1722, 2213..2304, 2832..2836		

Seq. No.	31104	Seq. ID	OJ990819_08.9A22.C28
Gene No.	64385	Strand	+
Start	2576	End	5603
Name	OJ990819_08.9A22.C28.o1.gs	Method	GENSCAN
Start	2576	End	5592
GI	none	Score	.87
Exons	2576..2966, 3662..3828, 3925..4068, 4502..4759, 4841..4912, 5005..5070, 5458..5592		

Seq. No.	31104	Seq. ID	OJ990819_08.9A22.C28
Gene No.	64385	Strand	+
Start	2576	End	5603
Name	OJ990819_08.9A22.C28.o1.np	Method	AAT/NAP
Start	2851	End	5603
GI	2529677	Score	415
Exons	2851..2966, 3662..3828, 3925..4068, 4502..4729, 4841..4912, 5005..5072, 5529..5603		
GI Descrip.	(AC002535) putative kinesin heavy chain [Arabidopsis thaliana]		

Seq. No.	31104	Seq. ID	OJ990819_08.9A22.C28
Gene No.	64385	Strand	+
Start	2576	End	5603
Name	OJ990819_08.9A22.C28.o1.tm	Method	TBLASTX:Maize
Start	3657	End	4065
GI	none	Score	230
Exons	3657..3830, 3658..3831, 3670..3831, 3924..4064, 3925..4065		

Seq. No.	31104	Seq. ID	OJ990819_08.9A22.C28
Gene No.	64385	Strand	+
Start	2576	End	5603
Name	OJ990819_08.9A22.C28.o1.ts	Method	TBLASTX:Soybean
Start	3657	End	4059
GI	none	Score	231
Exons	3657..3836, 3658..3831, 3922..4059, 3924..4058		

Seq. No.	31104	Seq. ID	OJ990819_08.9A22.C28
Gene No.	64385	Strand	+

Start	2576	End	5603
Name	OJ990819_08.9A22.C28.o1.tc	Method	TBLASTX:Cress
Start	3658	End	4609
GI	none	Score	210
Exons	3658..3831, 3667..3816, 3960..4079, 3961..4068, 4498..4608, 4502..4609		

Seq. No.	31105	Seq. ID	OJ990819_05.9A22.C3
Gene No.	64386	Strand	+
Start	55	End	204
Name	OJ990819_05.9A22.C3.o1.gs	Method	GENSCAN
Start	55	End	204
GI	none	Score	.67
Exons	55..204		

Seq. No.	31106	Seq. ID	OJ990819_05.9A22.C5
Gene No.	64387	Strand	-
Start	240	End	2002
Name	OJ990819_05.9A22.C5.o1.gs	Method	GENSCAN
Start	240	End	2002
GI	none	Score	.76
Exons	240..530, 681..821, 1188..1343, 1994..2002		

Seq. No.	31107	Seq. ID	OJ990819_05.9A22.C6
Gene No.	64388	Strand	+
Start	552	End	3740
Name	OJ990819_05.9A22.C6.o1.gs	Method	GENSCAN
Start	552	End	3740
GI	none	Score	.5
Exons	552..678, 680..716, 2307..2523, 2547..2849, 2891..2988, 3564..3740		

Seq. No.	31107	Seq. ID	OJ990819_05.9A22.C6
Gene No.	64389	Strand	+
Start	16179	End	22942
Name	OJ990819_05.9A22.C6.o4.gs	Method	GENSCAN
Start	16179	End	22942
GI	none	Score	.42
Exons	16179..16258, 16368..16449, 17097..17143, 19946..20081, 22326..22431, 22815..22942		

Seq. No.	31107	Seq. ID	OJ990819_05.9A22.C6
Gene No.	64390	Strand	+
Start	25781	End	33496
Name	OJ990819_05.9A22.C6.o5.gs	Method	GENSCAN
Start	25781	End	30959
GI	none	Score	.57
Exons	25781..25867, 28274..28407, 28846..28955, 29087..29277, 29785..29878, 30476..30657, 30876..30959		

Seq. No.	31107	Seq. ID	OJ990819_05.9A22.C6
Gene No.	64390	Strand	+
Start	25781	End	33496
Name	OJ990819_05.9A22.C6.o2.np	Method	AAT/NAP
Start	29110	End	33496
GI	6705984	Score	426
Exons	29110..29608, 33439..33496		

GI Descrip. (AB033235) gag-pol polyprotein [Oryza sativa]

Seq. No.	31107	Seq. ID	OJ990819_05.9A22.C6
Gene No.	64390	Strand	+
Start	25781	End	33496
Name	OJ990819_05.9A22.C6.o3.np	Method	AAT/NAP
Start	29800	End	32349
GI	6498436	Score	379
Exons	29800..29878, 29927..30438, 30538..30657, 30902..31081, 32303..32349		
GI Descrip.	(AP000815) hypothetical protein [Oryza sativa]		

Seq. No.	31107	Seq. ID	OJ990819_05.9A22.C6
Gene No.	64391	Strand	+
Start	35840	End	39130
Name	OJ990819_05.9A22.C6.o7.gs	Method	GENSCAN
Start	35840	End	39130
GI	none	Score	.79
Exons	35840..36389, 36502..36698, 36703..36953, 37748..37882, 38033..38392, 38463..38640, 38762..39130		

Seq. No.	31107	Seq. ID	OJ990819_05.9A22.C6
Gene No.	64391	Strand	+
Start	35840	End	39130
Name	OJ990819_05.9A22.C6.o4.np	Method	AAT/NAP
Start	35846	End	38823
GI	5091513	Score	1909
Exons	35846..36995, 37839..38823		
GI Descrip.	(AB023482) Hypothetical protein [Oryza sativa]		

Seq. No.	31107	Seq. ID	OJ990819_05.9A22.C6
Gene No.	64392	Strand	+
Start	39787	End	42859
Name	OJ990819_05.9A22.C6.o8.gs	Method	GENSCAN
Start	39787	End	42859
GI	none	Score	.51
Exons	39787..39979, 40955..41016, 42057..42267, 42810..42859		

Seq. No.	31107	Seq. ID	OJ990819_05.9A22.C6
Gene No.	64393	Strand	-
Start	4123	End	12107
Name	OJ990819_05.9A22.C6.o2.gs	Method	GENSCAN
Start	4123	End	12035
GI	none	Score	.88
Exons	4123..5002, 8120..8167, 8658..8782, 9122..9574, 9720..9747, 10497..10583, 11152..11277, 11977..12035		

Seq. No.	31107	Seq. ID	OJ990819_05.9A22.C6
Gene No.	64393	Strand	-
Start	4123	End	12107
Name	OJ990819_05.9A22.C6.o1.np	Method	AAT/NAP
Start	4174	End	12107
GI	6358808	Score	734
Exons	4174..4947, 7099..7297, 9082..9574, 9972..10034, 12069..12107		
GI Descrip.	(AC010675) nitrate transporter (NTL1) [Arabidopsis thaliana]		

Seq. No.	31107	Seq. ID	OJ990819_05.9A22.C6

Gene No.	64394	Strand	-
Start	12401	End	14316
Name	OJ990819_05.9A22.C6.o3.gs	Method	GENSCAN
Start	12401	End	14316
GI	none	Score	.54
Exons	12401..12412, 12924..13226, 14101..14187, 14269..14316		

Seq. No.	31107	Seq. ID	OJ990819_05.9A22.C6
Gene No.	64395	Strand	-
Start	43586	End	45710
Name	OJ990819_05.9A22.C6.o1.ts	Method	TBLASTX:Soybean
Start	4186	End	14274
GI	none	Score	88
Exons	4186..4296, 4342..5028, 4786..4968, 9045..9419, 9119..9421, 9518..9574, 14110..14274		

Seq. No.	31107	Seq. ID	OJ990819_05.9A22.C6
Gene No.	64395	Strand	-
Start	43586	End	45710
Name	OJ990819_05.9A22.C6.o1.tc	Method	TBLASTX:Cress
Start	4189	End	14310
GI	none	Score	77
Exons	4189..4296, 4348..4947, 4421..4684, 4645..4947, 9089..9481, 9120..9479, 9515..9574, 14101..14310		

Seq. No.	31107	Seq. ID	OJ990819_05.9A22.C6
Gene No.	64395	Strand	-
Start	43586	End	45710
Name	OJ990819_05.9A22.C6.o2.tm	Method	TBLASTX:Maize
Start	4342	End	4983
GI	none	Score	85
Exons	4342..4983, 4463..4705		

Seq. No.	31107	Seq. ID	OJ990819_05.9A22.C6
Gene No.	64395	Strand	-
Start	43586	End	45710
Name	OJ990819_05.9A22.C6.o1.tm	Method	TBLASTX:Maize
Start	8702	End	9424
GI	none	Score	75
Exons	8702..8791, 8712..8780, 9122..9424, 9123..9413		

Seq. No.	31107	Seq. ID	OJ990819_05.9A22.C6
Gene No.	64395	Strand	-
Start	43586	End	45710
Name	OJ990819_05.9A22.C6.o2.tw	Method	TBLASTX:Wheat
Start	9512	End	15329
GI	none	Score	215
Exons	9512..9574, 9516..9578, 14096..14314, 14101..14319, 14105..14320, 15261..15329, 15265..15324		

Seq. No.	31107	Seq. ID	OJ990819_05.9A22.C6
Gene No.	64395	Strand	-
Start	43586	End	45710
Name	OJ990819_05.9A22.C6.o1.tw	Method	TBLASTX:Wheat
Start	29143	End	29594
GI	none	Score	265
Exons	29143..29406, 29178..29405, 29405..29491, 29410..29589,		

29419..29571, 29430..29594

Seq. No.	31107	Seq. ID	OJ990819_05.9A22.C6
Gene No.	64395	Strand	-
Start	43586	End	45710
Name	OJ990819_05.9A22.C6.o2.ts	Method	TBLASTX:Soybean
Start	29182	End	29601
GI	none	Score	170
Exons	29182..29451, 29223..29447, 29443..29601, 29460..29591		

Seq. No.	31107	Seq. ID	OJ990819_05.9A22.C6
Gene No.	64395	Strand	-
Start	43586	End	45710
Name	OJ990819_05.9A22.C6.o3.tm	Method	TBLASTX:Maize
Start	29370	End	29622
GI	none	Score	199
Exons	29370..29504, 29371..29604, 29398..29622		

Seq. No.	31107	Seq. ID	OJ990819_05.9A22.C6
Gene No.	64395	Strand	-
Start	43586	End	45710
Name	OJ990819_05.9A22.C6.o9.gs	Method	GENSCAN
Start	43586	End	45710
GI	none	Score	.43
Exons	43586..43956, 44769..45024, 45563..45710		

Seq. No.	31108	Seq. ID	OJ990819_05.9A22.C7
Gene No.	64396	Strand	+
Start	2181	End	2294
Name	OJ990819_05.9A22.C7.o1.gs	Method	GENSCAN
Start	2181	End	2294
GI	none	Score	.54
Exons	2181..2294		

Seq. No.	31108	Seq. ID	OJ990819_05.9A22.C7
Gene No.	64397	Strand	+
Start	7784	End	9128
Name	OJ990819_05.9A22.C7.o2.np	Method	AAT/NAP
Start	7784	End	9128
GI	6539553	Score	1391
Exons	7784..9128		
GI Descrip.	(AP000836) Similar to Oryza australiensis retrotransposon RIRE1 (D85597) [Oryza sativa] gi\|6539590\|dbj\|BAA88206.1\| (AP000837) Similar to Oryza australiensis retrotransposon RIRE1 (D85597) [Oryza sativa]		

Seq. No.	31108	Seq. ID	OJ990819_05.9A22.C7
Gene No.	64398	Strand	-
Start	3259	End	5640
Name	OJ990819_05.9A22.C7.o1.gp	Method	AAT/GAP
Start	3082	End	3441
GI	5056117	Score	634
Exons	3082..3441		

Seq. No.	31108	Seq. ID	OJ990819_05.9A22.C7
Gene No.	64398	Strand	-
Start	3259	End	5640

Name	OJ990819_05.9A22.C7.o1.tc	Method	TBLASTX:Cress
Start	3218	End	5473
GI	none	Score	85
Exons	3218..3250, 3325..4068, 3716..3976, 4016..4078, 5107..5163, 5242..5472, 5243..5473		

Seq. No.	31108	Seq. ID	OJ990819_05.9A22.C7
Gene No.	64398	Strand	-
Start	3259	End	5640
Name	OJ990819_05.9A22.C7.o2.gs	Method	GENSCAN
Start	3259	End	5640
GI	none	Score	.65
Exons	3259..4123, 4508..4632, 5116..5640		

Seq. No.	31108	Seq. ID	OJ990819_05.9A22.C7
Gene No.	64398	Strand	-
Start	3259	End	5640
Name	OJ990819_05.9A22.C7.o1.np	Method	AAT/NAP
Start	3319	End	5488
GI	4102839	Score	672
Exons	3319..4123, 4508..4632, 5116..5488		
GI Descrip.	(AF016713) LeOPT1 [Lycopersicon esculentum]		

Seq. No.	31108	Seq. ID	OJ990819_05.9A22.C7
Gene No.	64398	Strand	-
Start	3259	End	5640
Name	OJ990819_05.9A22.C7.o1.ts	Method	TBLASTX:Soybean
Start	3328	End	5421
GI	none	Score	38
Exons	3328..3432, 3442..4119, 3584..3670, 3773..3970, 4007..4123, 5245..5421		

Seq. No.	31108	Seq. ID	OJ990819_05.9A22.C7
Gene No.	64398	Strand	-
Start	3259	End	5640
Name	OJ990819_05.9A22.C7.o2.tw	Method	TBLASTX:Wheat
Start	3328	End	3645
GI	none	Score	73
Exons	3328..3465, 3445..3645, 3490..3645		

Seq. No.	31108	Seq. ID	OJ990819_05.9A22.C7
Gene No.	64398	Strand	-
Start	3259	End	5640
Name	OJ990819_05.9A22.C7.o1.tm	Method	TBLASTX:Maize
Start	3337	End	5325
GI	none	Score	67
Exons	3337..3432, 3442..4104, 3544..3672, 4087..4125, 5107..5166, 5266..5325		

Seq. No.	31108	Seq. ID	OJ990819_05.9A22.C7
Gene No.	64398	Strand	-
Start	3259	End	5640
Name	OJ990819_05.9A22.C7.o2.gp	Method	AAT/GAP
Start	3666	End	4148
GI	22391_1.R1084	Score	888
Exons	3666..4148		
GI Descrip.	'4102839 2.0e-16 (AF016713) LeOPT1 [Lycopersicon esculentum]'		

Seq. No.	31108	Seq. ID	OJ990819_05.9A22.C7
Gene No.	64399	Strand	
Start	7779	End	8553
Name	OJ990819_05.9A22.C7.o2.tm	Method	TBLASTX:Maize
Start	7779	End	8148
GI	none	Score	159
Exons	7779..7928, 7783..7962, 7783..7938, 7981..8148		

Seq. No.	31108	Seq. ID	OJ990819_05.9A22.C7
Gene No.	64399	Strand	
Start	7779	End	8553
Name	OJ990819_05.9A22.C7.o2.ts	Method	TBLASTX:Soybean
Start	7779	End	8148
GI	none	Score	164
Exons	7779..7928, 7780..7929, 7783..7974, 7975..8148, 7983..8021		

Seq. No.	31108	Seq. ID	OJ990819_05.9A22.C7
Gene No.	64399	Strand	
Start	7779	End	8553
Name	OJ990819_05.9A22.C7.o2.tc	Method	TBLASTX:Cress
Start	7783	End	8172
GI	none	Score	112
Exons	7783..7965, 7978..8172		

Seq. No.	31108	Seq. ID	OJ990819_05.9A22.C7
Gene No.	64399	Strand	
Start	7779	End	8553
Name	OJ990819_05.9A22.C7.o1.tw	Method	TBLASTX:Wheat
Start	7798	End	8553
GI	none	Score	634
Exons	7798..8262, 7806..8285, 8306..8536, 8314..8553, 8336..8533, 8394..8552		

Seq. No.	31109	Seq. ID	OJ990819_05.9A22.C8
Gene No.	64400	Strand	+
Start	203	End	420
Name	OJ990819_05.9A22.C8.o1.gs	Method	GENSCAN
Start	203	End	420
GI	none	Score	.51
Exons	203..318, 379..420		

Seq. No.	31110	Seq. ID	OJ990819_05.9A22.C9
Gene No.	64401	Strand	+
Start	137	End	316
Name	OJ990819_05.9A22.C9.o1.gs	Method	GENSCAN
Start	137	End	316
GI	none	Score	.59
Exons	137..316		

Seq. No.	31111	Seq. ID	OJ990819_05.9A22.C10
Gene No.	64402	Strand	+
Start	1	End	2942
Name	OJ990819_05.9A22.C10.o1.np	Method	AAT/NAP
Start	1	End	2942
GI	5295955	Score	552
Exons	1..421, 965..1079, 1760..1844, 1884..2229, 2343..2942		

GI Descrip. (AB026295) Similar to Epstein-Barr virus (EBV) genome.(V01555) [Oryza sativa]

Seq. No.	31112	Seq. ID	OJ990819_05.9A22.C11
Gene No.	64403	Strand	+
Start	5685	End	9925
Name	OJ990819_05.9A22.C11.o2.gs	Method	GENSCAN
Start	5685	End	9689
GI	none	Score	.81
Exons	5685..5873, 6184..6223, 7408..7507, 7596..7643, 7821..9689		

Seq. No.	31112	Seq. ID	OJ990819_05.9A22.C11
Gene No.	64403	Strand	+
Start	5685	End	9925
Name	OJ990819_05.9A22.C11.o1.np	Method	AAT/NAP
Start	7837	End	9925
GI	6539553	Score	3676
Exons	7837..9925		

GI Descrip. (AP000836) Similar to Oryza australiensis retrotransposon RIRE1 (D85597) [Oryza sativa] gi|6539590|dbj|BAA88206.1| (AP000837) Similar to Oryza australiensis retrotransposon RIRE1 (D85597) [Oryza sativa]

Seq. No.	31112	Seq. ID	OJ990819_05.9A22.C11
Gene No.	64404	Strand	-
Start	31	End	300
Name	OJ990819_05.9A22.C11.o1.gs	Method	GENSCAN
Start	31	End	300
GI	none	Score	.82
Exons	31..300		

Seq. No.	31112	Seq. ID	OJ990819_05.9A22.C11
Gene No.	64405	Strand	
Start	7831	End	8279
Name	OJ990819_05.9A22.C11.o2.tw	Method	TBLASTX:Wheat
Start	7831	End	8217
GI	none	Score	354
Exons	7831..8217, 7842..8216		

Seq. No.	31112	Seq. ID	OJ990819_05.9A22.C11
Gene No.	64405	Strand	
Start	7831	End	8279
Name	OJ990819_05.9A22.C11.o2.tm	Method	TBLASTX:Maize
Start	7966	End	8279
GI	none	Score	366
Exons	7966..8277, 7974..8279		

Seq. No.	31112	Seq. ID	OJ990819_05.9A22.C11
Gene No.	64406	Strand	
Start	8778	End	9100
Name	OJ990819_05.9A22.C11.o1.tm	Method	TBLASTX:Maize
Start	8778	End	9100
GI	none	Score	268
Exons	8778..9032, 8785..9099, 8805..9098, 8933..9100		

Seq. No.	31112	Seq. ID	OJ990819_05.9A22.C11
Gene No.	64407	Strand	

Start	9127	End	9924
Name	OJ990819_05.9A22.C11.o2.ts	Method	TBLASTX:Soybean
Start	9127	End	9513
GI	none	Score	88
Exons	9127..9282, 9265..9513		

Seq. No.	31112	Seq. ID	OJ990819_05.9A22.C11
Gene No.	64407	Strand	
Start	9127	End	9924
Name	OJ990819_05.9A22.C11.o3.tm	Method	TBLASTX:Maize
Start	9301	End	9735
GI	none	Score	303
Exons	9301..9735, 9510..9710		

Seq. No.	31112	Seq. ID	OJ990819_05.9A22.C11
Gene No.	64407	Strand	
Start	9127	End	9924
Name	OJ990819_05.9A22.C11.o1.tw	Method	TBLASTX:Wheat
Start	9378	End	9774
GI	none	Score	162
Exons	9378..9602, 9379..9627, 9379..9612, 9589..9774, 9590..9736, 9601..9774		

Seq. No.	31112	Seq. ID	OJ990819_05.9A22.C11
Gene No.	64407	Strand	
Start	9127	End	9924
Name	OJ990819_05.9A22.C11.o1.ts	Method	TBLASTX:Soybean
Start	9523	End	9921
GI	none	Score	197
Exons	9523..9747, 9531..9701, 9748..9921, 9756..9794		

Seq. No.	31112	Seq. ID	OJ990819_05.9A22.C11
Gene No.	64407	Strand	
Start	9127	End	9924
Name	OJ990819_05.9A22.C11.o3.tw	Method	TBLASTX:Wheat
Start	9781	End	9924
GI	none	Score	211
Exons	9781..9924, 9792..9923		

Seq. No.	31113	Seq. ID	OJ990819_05.9A22.C12
Gene No.	64408	Strand	+
Start	1	End	2463
Name	OJ990819_05.9A22.C12.o1.np	Method	AAT/NAP
Start	1	End	1442
GI	6539553	Score	2444
Exons	1..1442		
GI Descrip.	(AP000836) Similar to Oryza australiensis retrotransposon RIRE1 (D85597) [Oryza sativa] gi\|6539590\|dbj\|BAA88206.1\| (AP000837) Similar to Oryza australiensis retrotransposon RIRE1 (D85597) [Oryza sativa]		

Seq. No.	31113	Seq. ID	OJ990819_05.9A22.C12
Gene No.	64408	Strand	+
Start	1	End	2463
Name	OJ990819_05.9A22.C12.o1.gs	Method	GENSCAN
Start	51	End	2463
GI	none	Score	.72

Exons	51..1441, 1636..1753, 2245..2463		
Seq. No.	31113	Seq. ID	OJ990819_05.9A22.C12
Gene No.	64409	Strand	+
Start	6953	End	7693
Name	OJ990819_05.9A22.C12.o3.gs	Method	GENSCAN
Start	6953	End	7693
GI	none	Score	.79
Exons	6953..7091, 7332..7605, 7627..7693		
Seq. No.	31113	Seq. ID	OJ990819_05.9A22.C12
Gene No.	64410	Strand	-
Start	2561	End	5883
Name	OJ990819_05.9A22.C12.o2.gs	Method	GENSCAN
Start	2561	End	5883
GI	none	Score	.79
Exons	2561..2780, 3064..3431, 3519..3659, 3753..3803, 4010..4165, 4279..4476, 4581..4670, 4747..4801, 5816..5883		
Seq. No.	31113	Seq. ID	OJ990819_05.9A22.C12
Gene No.	64410	Strand	-
Start	2561	End	5883
Name	OJ990819_05.9A22.C12.o2.np	Method	AAT/NAP
Start	3069	End	4929
GI	3128168	Score	215
Exons	3069..3448, 3530..3692, 3777..3843, 4034..4165, 4238..4433, 4517..4711, 4821..4929		
GI Descrip.	(AC004521) unknown protein [Arabidopsis thaliana]		
Seq. No.	31113	Seq. ID	OJ990819_05.9A22.C12
Gene No.	64411	Strand	-
Start	8132	End	10057
Name	OJ990819_05.9A22.C12.o1.ts	Method	TBLASTX:Soybean
Start	3	End	410
GI	5509260	Score	357
Exons	3..410, 47..115, 164..259, 332..391		
GI Descrip.	-		
Seq. No.	31113	Seq. ID	OJ990819_05.9A22.C12
Gene No.	64411	Strand	-
Start	8132	End	10057
Name	OJ990819_05.9A22.C12.o1.tc	Method	TBLASTX:Cress
Start	39	End	299
GI	none	Score	286
Exons	39..299, 41..118		
Seq. No.	31113	Seq. ID	OJ990819_05.9A22.C12
Gene No.	64411	Strand	-
Start	8132	End	10057
Name	OJ990819_05.9A22.C12.o2.tm	Method	TBLASTX:Maize
Start	80	End	527
GI	none	Score	359
Exons	80..262, 81..527, 216..398, 332..442		
Seq. No.	31113	Seq. ID	OJ990819_05.9A22.C12
Gene No.	64411	Strand	-
Start	8132	End	10057

Name	OJ990819_05.9A22.C12.o2.tw	Method	TBLASTX:Wheat
Start	81	End	626
GI	none	Score	318
Exons	81..425, 228..401, 420..626, 494..616		

Seq. No.	31113	Seq. ID	OJ990819_05.9A22.C12
Gene No.	64411	Strand	-
Start	8132	End	10057
Name	OJ990819_05.9A22.C12.o2.ts	Method	TBLASTX:Soybean
Start	479	End	824
GI	none	Score	315
Exons	479..679, 480..824		

Seq. No.	31113	Seq. ID	OJ990819_05.9A22.C12
Gene No.	64411	Strand	-
Start	8132	End	10057
Name	OJ990819_05.9A22.C12.o4.tm	Method	TBLASTX:Maize
Start	635	End	974
GI	none	Score	312
Exons	635..973, 636..974		

Seq. No.	31113	Seq. ID	OJ990819_05.9A22.C12
Gene No.	64411	Strand	-
Start	8132	End	10057
Name	OJ990819_05.9A22.C12.o1.tw	Method	TBLASTX:Wheat
Start	830	End	1306
GI	none	Score	101
Exons	830..901, 831..905, 920..1306, 921..1268		

Seq. No.	31113	Seq. ID	OJ990819_05.9A22.C12
Gene No.	64411	Strand	-
Start	8132	End	10057
Name	OJ990819_05.9A22.C12.o4.ts	Method	TBLASTX:Soybean
Start	837	End	1178
GI	none	Score	91
Exons	837..950, 863..943, 969..1178, 974..1099		

Seq. No.	31113	Seq. ID	OJ990819_05.9A22.C12
Gene No.	64411	Strand	-
Start	8132	End	10057
Name	OJ990819_05.9A22.C12.o5.tm	Method	TBLASTX:Maize
Start	3066	End	4673
GI	none	Score	77
Exons	3066..3191, 3192..3287, 3318..3419, 3519..3701, 4584..4673		

Seq. No.	31113	Seq. ID	OJ990819_05.9A22.C12
Gene No.	64411	Strand	-
Start	8132	End	10057
Name	OJ990819_05.9A22.C12.o5.ts	Method	TBLASTX:Soybean
Start	3075	End	3701
GI	none	Score	82
Exons	3075..3191, 3192..3287, 3318..3419, 3519..3701		

Seq. No.	31113	Seq. ID	OJ990819_05.9A22.C12
Gene No.	64411	Strand	-
Start	8132	End	10057
Name	OJ990819_05.9A22.C12.o2.tc	Method	TBLASTX:Cress

Start	3087	End	3651
GI	none	Score	61
Exons	3087..3179, 3204..3287, 3318..3419, 3399..3458, 3519..3641, 3550..3651		

Seq. No.	31113	Seq. ID	OJ990819_05.9A22.C12
Gene No.	64411	Strand	-
Start	8132	End	10057
Name	OJ990819_05.9A22.C12.o4.gs	Method	GENSCAN
Start	8132	End	9913
GI	none	Score	.55
Exons	8132..8266, 8632..8681, 9827..9913		

Seq. No.	31113	Seq. ID	OJ990819_05.9A22.C12
Gene No.	64411	Strand	-
Start	8132	End	10057
Name	OJ990819_05.9A22.C12.o6.tm	Method	TBLASTX:Maize
Start	8526	End	8820
GI	none	Score	71
Exons	8526..8627, 8622..8819, 8707..8820		

Seq. No.	31113	Seq. ID	OJ990819_05.9A22.C12
Gene No.	64411	Strand	-
Start	8132	End	10057
Name	OJ990819_05.9A22.C12.o3.tw	Method	TBLASTX:Wheat
Start	8896	End	9266
GI	none	Score	119
Exons	8896..9129, 8898..9266		

Seq. No.	31113	Seq. ID	OJ990819_05.9A22.C12
Gene No.	64411	Strand	-
Start	8132	End	10057
Name	OJ990819_05.9A22.C12.o1.tm	Method	TBLASTX:Maize
Start	8991	End	9462
GI	none	Score	73
Exons	8991..9077, 8995..9099, 9090..9461, 9244..9462		

Seq. No.	31113	Seq. ID	OJ990819_05.9A22.C12
Gene No.	64411	Strand	-
Start	8132	End	10057
Name	OJ990819_05.9A22.C12.o4.tw	Method	TBLASTX:Wheat
Start	9360	End	9911
GI	none	Score	52
Exons	9360..9476, 9537..9911, 9603..9764		

Seq. No.	31113	Seq. ID	OJ990819_05.9A22.C12
Gene No.	64411	Strand	-
Start	8132	End	10057
Name	OJ990819_05.9A22.C12.o3.ts	Method	TBLASTX:Soybean
Start	9534	End	10057
GI	none	Score	51
Exons	9534..9719, 9708..9935, 10001..10057		

Seq. No.	31113	Seq. ID	OJ990819_05.9A22.C12
Gene No.	64411	Strand	-
Start	8132	End	10057
Name	OJ990819_05.9A22.C12.o3.tm	Method	TBLASTX:Maize

Start	9649	End	9939
GI	none	Score	91
Exons	9649..9828, 9663..9938, 9687..9914, 9889..9939		

Seq. No.	31114	Seq. ID	OJ990819_05.9A22.C13
Gene No.	64412	Strand	
Start	357	End	653
Name	OJ990819_05.9A22.C13.o1.tw	Method	TBLASTX:Wheat
Start	357	End	653
GI	none	Score	104
Exons	357..581, 381..590, 582..653, 592..651		

Seq. No.	31115	Seq. ID	OJ990819_05.9A22.C15
Gene No.	64413	Strand	-
Start	28	End	51
Name	OJ990819_05.9A22.C15.o1.gs	Method	GENSCAN
Start	28	End	51
GI	none	Score	.4
Exons	28..51		

Seq. No.	31116	Seq. ID	OJ990619_47.9B24.C1
Gene No.	64414	Strand	+
Start	1	End	1000
Name	OJ990619_47.9B24.C1.o1.np	Method	AAT/NAP
Start	1	End	991
GI	4416302	Score	823
Exons	1..991		
GI Descrip.	(AF105716) copia-type pol polyprotein [Zea mays]		

Seq. No.	31116	Seq. ID	OJ990619_47.9B24.C1
Gene No.	64414	Strand	+
Start	1	End	1000
Name	OJ990619_47.9B24.C1.o1.gs	Method	GENSCAN
Start	87	End	451
GI	none	Score	.4
Exons	87..451		

Seq. No.	31116	Seq. ID	OJ990619_47.9B24.C1
Gene No.	64414	Strand	+
Start	1	End	1000
Name	OJ990619_47.9B24.C1.o1.ts	Method	TBLASTX:Soybean
Start	104	End	498
GI	none	Score	238
Exons	104..406, 115..393, 397..498, 426..485		

Seq. No.	31116	Seq. ID	OJ990619_47.9B24.C1
Gene No.	64414	Strand	+
Start	1	End	1000
Name	OJ990619_47.9B24.C1.o2.tm	Method	TBLASTX:Maize
Start	130	End	313
GI	none	Score	188
Exons	130..267, 131..313, 143..313		

Seq. No.	31116	Seq. ID	OJ990619_47.9B24.C1
Gene No.	64414	Strand	+
Start	1	End	1000
Name	OJ990619_47.9B24.C1.o1.tw	Method	TBLASTX:Wheat

Start	137	End	546
GI	none	Score	108
Exons	137..286, 311..397, 400..546		

Seq. No.	31116	Seq. ID	OJ990619_47.9B24.C1
Gene No.	64414	Strand	+
Start	1	End	1000
Name	OJ990619_47.9B24.C1.o1.tm	Method	TBLASTX:Maize
Start	314	End	970
GI	none	Score	69
Exons	314..409, 397..612, 435..611, 670..939, 689..970, 755..955		

Seq. No.	31116	Seq. ID	OJ990619_47.9B24.C1
Gene No.	64414	Strand	+
Start	1	End	1000
Name	OJ990619_47.9B24.C1.o2.ts	Method	TBLASTX:Soybean
Start	514	End	1000
GI	none	Score	99
Exons	514..612, 740..1000, 754..924		

Seq. No.	31117	Seq. ID	OJ990619_47.9B24.C2
Gene No.	64415	Strand	+
Start	776	End	3170
Name	OJ990619_47.9B24.C2.o1.gs	Method	GENSCAN
Start	776	End	3170
GI	none	Score	.55
Exons	776..834, 1523..1630, 1970..2700, 2755..3170		

Seq. No.	31117	Seq. ID	OJ990619_47.9B24.C2
Gene No.	64415	Strand	+
Start	776	End	3170
Name	OJ990619_47.9B24.C2.o1.np	Method	AAT/NAP
Start	1408	End	3086
GI	6539588	Score	170
Exons	1408..1698, 3044..3086		
GI Descrip.	(AP000837) hypothetical protein [Oryza sativa]		

Seq. No.	31117	Seq. ID	OJ990619_47.9B24.C2
Gene No.	64416	Strand	-
Start	3345	End	3472
Name	OJ990619_47.9B24.C2.o2.gs	Method	GENSCAN
Start	3345	End	3472
GI	none	Score	.91
Exons	3345..3472		

Seq. No.	31118	Seq. ID	OJ990619_47.9B24.C3
Gene No.	64417	Strand	+
Start	456	End	2165
Name	OJ990619_47.9B24.C3.o1.gs	Method	GENSCAN
Start	456	End	2165
GI	none	Score	.59
Exons	456..503, 596..628, 649..756, 1767..2165		

Seq. No.	31118	Seq. ID	OJ990619 47.9B24.C3
Gene No.	64418	Strand	+
Start	8967	End	14100
Name	OJ990619_47.9B24.C3.o3.gs	Method	GENSCAN

Start	8967	End	14100
GI	none	Score	.7
Exons	8967..9240, 9326..9567, 10453..10488, 11885..12078, 13248..13467, 13993..14100		

Seq. No.	31118	Seq. ID	OJ990619_47.9B24.C3
Gene No.	64419	Strand	-
Start	6638	End	9297
Name	OJ990619_47.9B24.C3.o2.gp	Method	AAT/GAP
Start	6334	End	9297
GI	730_1.R1084	Score	3036
Exons	6334..7838, 9164..9297		
GI Descrip.	'1170937/sp\|P46611\|METK_ORYSA 0.0e+00 S-ADENOSYLMETHIONINE SYNTHETASE 1 (METHIONINE ADENOSYLTRANSFERASE 1) (ADOMET SYNTHETASE 1) >gi_450549_emb_CAA81481_ (Z26867) S-adenosyl methionine synthetase [Oryza sativa]'		

Seq. No.	31118	Seq. ID	OJ990619_47.9B24.C3
Gene No.	64419	Strand	-
Start	6638	End	9297
Name	OJ990619_47.9B24.C3.o2.gs	Method	GENSCAN
Start	6638	End	7828
GI	none	Score	.98
Exons	6638..7204, 7547..7828		

Seq. No.	31118	Seq. ID	OJ990619_47.9B24.C3
Gene No.	64419	Strand	-
Start	6638	End	9297
Name	OJ990619_47.9B24.C3.o1.np	Method	AAT/NAP
Start	6641	End	7828
GI	1170937	Score	1953
Exons	6641..7828		
GI Descrip.	S-ADENOSYLMETHIONINE SYNTHETASE 1 (METHIONINE ADENOSYLTRANSFERASE 1) (ADOMET SYNTHETASE 1) gi\|450549\|emb\|CAA81481\| (Z26867) S-adenosyl methionine synthetase [Oryza sativa]		

Seq. No.	31118	Seq. ID	OJ990619_47.9B24.C3
Gene No.	64420	Strand	-
Start	15845	End	17695
Name	OJ990619_47.9B24.C3.o4.gs	Method	GENSCAN
Start	15845	End	17622
GI	none	Score	.99
Exons	15845..16296, 16869..17193, 17365..17622		

Seq. No.	31118	Seq. ID	OJ990619_47.9B24.C3
Gene No.	64420	Strand	-
Start	15845	End	17695
Name	OJ990619_47.9B24.C3.o2.np	Method	AAT/NAP
Start	15848	End	17574
GI	5596475	Score	538
Exons	15848..16296, 16869..17193, 17365..17574		
GI Descrip.	(AL096882) peroxidase ATP19a [Arabidopsis thaliana]		

Seq. No.	31118	Seq. ID	OJ990619_47.9B24.C3
Gene No.	64420	Strand	-
Start	15845	End	17695

Name	OJ990619_47.9B24.C3.o3.gp	Method	AAT/GAP
Start	16965	End	17695
GI	22130_1.R1084	Score	1072
Exons	16965..17193, 17365..17695		
GI Descrip.	'4490309/emb\|CAB38800.1\| 2.0e-31 (AL035678) peroxidase ATP17a-like protein [Arabidopsis thaliana]'		

Seq. No.	31118	Seq. ID	OJ990619_47.9B24.C3
Gene No.	64421	Strand	-
Start	18684	End	20808
Name	OJ990619_47.9B24.C3.o1.tm	Method	TBLASTX:Maize
Start	6548	End	7842
GI	none	Score	36
Exons	6548..6580, 6552..6620, 6625..6777, 6641..7204, 6648..7205, 6689..7225, 6850..7266, 7231..7374, 7231..7368, 7233..7373, 7372..7494, 7373..7495, 7374..7505, 7375..7755, 7475..7840, 7497..7841, 7497..7841, 7657..7842		

Seq. No.	31118	Seq. ID	OJ990619_47.9B24.C3
Gene No.	64421	Strand	-
Start	18684	End	20808
Name	OJ990619_47.9B24.C3.o1.tc	Method	TBLASTX:Cress
Start	6612	End	7621
GI	none	Score	113
Exons	6612..6728, 6629..7204, 6637..6771, 6689..7216, 7230..7355, 7231..7374, 7231..7350, 7233..7373, 7372..7494, 7373..7495, 7379..7495, 7475..7621, 7500..7610		

Seq. No.	31118	Seq. ID	OJ990619_47.9B24.C3
Gene No.	64421	Strand	-
Start	18684	End	20808
Name	OJ990619_47.9B24.C3.o2.tw	Method	TBLASTX:Wheat
Start	6627	End	6970
GI	none	Score	101
Exons	6627..6689, 6632..6754, 6642..6728, 6741..6965, 6743..6970, 6771..6932, 6877..6969		

Seq. No.	31118	Seq. ID	OJ990619_47.9B24.C3
Gene No.	64421	Strand	-
Start	18684	End	20808
Name	OJ990619_47.9B24.C3.o1.ts	Method	TBLASTX:Soybean
Start	6654	End	7802
GI	none	Score	246
Exons	6654..7007, 6668..6997, 6985..7092, 6986..7102, 6987..7100, 7056..7127, 7103..7177, 7104..7178, 7179..7205, 7181..7204, 7231..7257, 7233..7253, 7257..7373, 7258..7374, 7373..7645, 7385..7642, 7637..7708, 7638..7706, 7688..7714, 7689..7718, 7711..7737, 7724..7753, 7752..7802, 7755..7799, 7757..7801		

Seq. No.	31118	Seq. ID	OJ990619_47.9B24.C3
Gene No.	64421	Strand	-
Start	18684	End	20808
Name	OJ990619_47.9B24.C3.o1.tw	Method	TBLASTX:Wheat
Start	7043	End	7823
GI	none	Score	237
Exons	7043..7204, 7044..7205, 7047..7205, 7231..7374, 7231..7350, 7233..7373, 7372..7494, 7373..7495, 7379..7504, 7380..7505,		

7475..7822, 7481..7816, 7497..7823

Seq. No.	31118	Seq. ID	OJ990619_47.9B24.C3
Gene No.	64421	Strand	-
Start	18684	End	20808
Name	OJ990619_47.9B24.C3.o2.tc	Method	TBLASTX:Cress
Start	7622	End	7819
GI	none	Score	253
Exons	7622..7819, 7623..7817		

Seq. No.	31118	Seq. ID	OJ990619_47.9B24.C3
Gene No.	64421	Strand	-
Start	18684	End	20808
Name	OJ990619_47.9B24.C3.o3.ts	Method	TBLASTX:Soybean
Start	15848	End	16324
GI	none	Score	87
Exons	15848..16114, 16145..16324, 16149..16298		

Seq. No.	31118	Seq. ID	OJ990619_47.9B24.C3
Gene No.	64421	Strand	-
Start	18684	End	20808
Name	OJ990619_47.9B24.C3.o3.tc	Method	TBLASTX:Cress
Start	16133	End	17491
GI	none	Score	61
Exons	16133..16321, 16855..17109, 16862..17110, 16867..17193, 17365..17490, 17369..17491		

Seq. No.	31118	Seq. ID	OJ990619_47.9B24.C3
Gene No.	64421	Strand	-
Start	18684	End	20808
Name	OJ990619_47.9B24.C3.o2.tm	Method	TBLASTX:Maize
Start	16160	End	17520
GI	none	Score	161
Exons	16160..16249, 16226..16291, 16870..17193, 16895..17194, 17365..17520, 17369..17494		

Seq. No.	31118	Seq. ID	OJ990619_47.9B24.C3
Gene No.	64421	Strand	-
Start	18684	End	20808
Name	OJ990619_47.9B24.C3.o3.tw	Method	TBLASTX:Wheat
Start	16910	End	17194
GI	none	Score	120
Exons	16910..17119, 16912..17124, 17125..17193, 17156..17194		

Seq. No.	31118	Seq. ID	OJ990619_47.9B24.C3
Gene No.	64421	Strand	-
Start	18684	End	20808
Name	OJ990619_47.9B24.C3.o2.ts	Method	TBLASTX:Soybean
Start	16937	End	17502
GI	none	Score	154
Exons	16937..17194, 16948..17193, 17365..17502		

Seq. No.	31118	Seq. ID	OJ990619_47.9B24.C3
Gene No.	64421	Strand	-
Start	18684	End	20808
Name	OJ990619_47.9B24.C3.o5.gs	Method	GENSCAN
Start	18684	End	20808

GI	none	Score	.49
Exons	18684..18860, 20608..20808		

Seq. No.	31119	Seq. ID	OJ990619_47.9B24.C4
Gene No.	64422	Strand	+
Start	6284	End	9306
Name	OJ990619_47.9B24.C4.o2.gs	Method	GENSCAN
Start	6284	End	9306
GI	none	Score	.4
Exons	6284..7921, 7953..8095, 8199..8460, 8547..8802, 8938..9068, 9136..9306		

Seq. No.	31119	Seq. ID	OJ990619_47.9B24.C4
Gene No.	64422	Strand	+
Start	6284	End	9306
Name	OJ990619_47.9B24.C4.o2.np	Method	AAT/NAP
Start	6449	End	7951
GI	5441880	Score	1294
Exons	6449..7463, 7908..7951		
GI Descrip.	(AP000367) EST C28952(C62945) corresponds to a region of the predicted gene.; Similar to maize transposon MuDR mudrA protein. (AC003981) [Oryza sativa]		

Seq. No.	31119	Seq. ID	OJ990619_47.9B24.C4
Gene No.	64423	Strand	-
Start	1753	End	3244
Name	OJ990619_47.9B24.C4.o1.gs	Method	GENSCAN
Start	1753	End	3108
GI	none	Score	.92
Exons	1753..2544, 2893..3108		

Seq. No.	31119	Seq. ID	OJ990619_47.9B24.C4
Gene No.	64423	Strand	-
Start	1753	End	3244
Name	OJ990619_47.9B24.C4.o1.np	Method	AAT/NAP
Start	1762	End	3093
GI	4760700	Score	746
Exons	1762..2544, 2893..3093		
GI Descrip.	(AB024437) peroxidase 1 [Scutellaria baicalensis]		

Seq. No.	31119	Seq. ID	OJ990619_47.9B24.C4
Gene No.	64423	Strand	-
Start	1753	End	3244
Name	OJ990619_47.9B24.C4.o1.gp	Method	AAT/GAP
Start	2452	End	3244
GI	26373_1.R1084	Score	862
Exons	2452..2544, 2893..3244		
GI Descrip.	'4760700/dbj\|BAA77387.1\| 1.0e-20 (AB024437) peroxidase 1 [Scutellaria baicalensis]'		

Seq. No.	31119	Seq. ID	OJ990619_47.9B24.C4
Gene No.	64424	Strand	-
Start	13846	End	16490
Name	OJ990619_47.9B24.C4.o3.tm	Method	TBLASTX:Maize
Start	1747	End	14104
GI	none	Score	154
Exons	1747..1992, 1748..1993, 1835..2032, 1932..2033, 13845..13946,		

13849..14103, 13853..14104

Seq. No.	31119	Seq. ID	OJ990619_47.9B24.C4
Gene No.	64424	Strand	-
Start	13846	End	16490
Name	OJ990619_47.9B24.C4.o1.tc	Method	TBLASTX:Cress
Start	1765	End	14851
GI	none	Score	81
Exons	1765..1902, 1888..1989, 2114..2215, 2116..2274, 2263..2328, 2362..2547, 2893..3033, 13846..13962, 13960..14100, 14188..14523, 14234..14515, 14530..14568, 14690..14851		

Seq. No.	31119	Seq. ID	OJ990619_47.9B24.C4
Gene No.	64424	Strand	-
Start	13846	End	16490
Name	OJ990619_47.9B24.C4.o1.ts	Method	TBLASTX:Soybean
Start	1765	End	14851
GI	none	Score	80
Exons	1765..1986, 1988..2071, 2125..2298, 2347..2544, 2363..2557, 2896..3033, 13837..13938, 13846..14109, 14188..14574, 14297..14563, 14557..14604, 14682..14795, 14690..14851		

Seq. No.	31119	Seq. ID	OJ990619_47.9B24.C4
Gene No.	64424	Strand	-
Start	13846	End	16490
Name	OJ990619_47.9B24.C4.o1.tm	Method	TBLASTX:Maize
Start	2107	End	14851
GI	none	Score	72
Exons	2107..2136, 2143..2274, 2144..2254, 2263..2334, 2347..2547, 2348..2557, 2893..3042, 2894..2944, 14200..14574, 14237..14584, 14690..14851, 14706..14843		

Seq. No.	31119	Seq. ID	OJ990619_47.9B24.C4
Gene No.	64424	Strand	-
Start	13846	End	16490
Name	OJ990619_47.9B24.C4.o2.tw	Method	TBLASTX:Wheat
Start	2152	End	14553
GI	none	Score	65
Exons	2152..2313, 2156..2257, 2365..2496, 14212..14553, 14237..14515		

Seq. No.	31119	Seq. ID	OJ990619_47.9B24.C4
Gene No.	64424	Strand	-
Start	13846	End	16490
Name	OJ990619_47.9B24.C4.o2.tm	Method	TBLASTX:Maize
Start	7019	End	7615
GI	none	Score	367
Exons	7019..7486, 7024..7137, 7177..7497, 7544..7615		

Seq. No.	31119	Seq. ID	OJ990619_47.9B24.C4
Gene No.	64424	Strand	-
Start	13846	End	16490
Name	OJ990619_47.9B24.C4.o1.tw	Method	TBLASTX:Wheat
Start	7315	End	7690
GI	none	Score	192
Exons	7315..7467, 7316..7519, 7517..7690, 7526..7681		

Seq. No.	31119	Seq. ID	OJ990619_47.9B24.C4

Gene No.	64424	Strand	-
Start	13846	End	16490
Name	OJ990619_47.9B24.C4.o3.gs	Method	GENSCAN
Start	13846	End	16490
GI	none	Score	.84
Exons	13846..14604, 14714..14936, 15459..15596, 16385..16490		

Seq. No.	31119	Seq. ID	OJ990619_47.9B24.C4
Gene No.	64424	Strand	-
Start	13846	End	16490
Name	OJ990619_47.9B24.C4.o3.np	Method	AAT/NAP
Start	13846	End	14911
GI	4760700	Score	697
Exons	13846..14604, 14714..14911		
GI Descrip.	(AB024437) peroxidase 1 [Scutellaria baicalensis]		

Seq. No.	31120	Seq. ID	OJ990619_47.9B24.C5
Gene No.	64425	Strand	+
Start	2343	End	7479
Name	OJ990619_47.9B24.C5.o1.gs	Method	GENSCAN
Start	2343	End	6459
GI	none	Score	.93
Exons	2343..3285, 5073..5135, 5282..6459		

Seq. No.	31120	Seq. ID	OJ990619_47.9B24.C5
Gene No.	64425	Strand	+
Start	2343	End	7479
Name	OJ990619_47.9B24.C5.o1.np	Method	AAT/NAP
Start	3109	End	7479
GI	6665543	Score	813
Exons	3109..3179, 5177..6318, 7448..7479		
GI Descrip.	(AC013289) putative protein kinase [Arabidopsis thaliana]		

Seq. No.	31120	Seq. ID	OJ990619_47.9B24.C5
Gene No.	64426	Strand	+
Start	16623	End	20618
Name	OJ990619_47.9B24.C5.o4.np	Method	AAT/NAP
Start	16623	End	20615
GI	6691716	Score	2468
Exons	16623..17507, 17705..17883, 17964..18076, 18153..18322, 18396..18583, 18659..18758, 19979..20095, 20167..20615		
GI Descrip.	(AP000492) hypothetical protein [Oryza sativa] gi\|6691717\|dbj\|BAA89397.1\| (AP000570) hypothetical protein [Oryza sativa]		

Seq. No.	31120	Seq. ID	OJ990619_47.9B24.C5
Gene No.	64426	Strand	+
Start	16623	End	20618
Name	OJ990619_47.9B24.C5.o5.gs	Method	GENSCAN
Start	16623	End	20618
GI	none	Score	.65
Exons	16623..16866, 17173..17507, 17594..17883, 18076..18322, 18437..18583, 18659..18809, 19554..19629, 19717..19919, 20167..20618		

Seq. No.	31120	Seq. ID	OJ990619_47.9B24.C5
Gene No.	64427	Strand	+

Start	29896	End	30270
Name	OJ990619_47.9B24.C5.o6.gp	Method	AAT/GAP
Start	29896	End	30270
GI	none	Score	706
Exons	29896..30270		

Seq. No.	31120	Seq. ID	OJ990619_47.9B24.C5
Gene No.	64428	Strand	-
Start	8008	End	9427
Name	OJ990619_47.9B24.C5.o2.gs	Method	GENSCAN
Start	8008	End	9315
GI	none	Score	.84
Exons	8008..8766, 9106..9315		

Seq. No.	31120	Seq. ID	OJ990619_47.9B24.C5
Gene No.	64428	Strand	-
Start	8008	End	9427
Name	OJ990619_47.9B24.C5.o2.np	Method	AAT/NAP
Start	8017	End	9312
GI	2429290	Score	533
Exons	8017..8766, 9106..9312		
GI Descrip.	(AF014469) peroxidase [Oryza sativa]		

Seq. No.	31120	Seq. ID	OJ990619_47.9B24.C5
Gene No.	64428	Strand	-
Start	8008	End	9427
Name	OJ990619_47.9B24.C5.o1.gp	Method	AAT/GAP
Start	8149	End	8638
GI	LIB3433-057-P1-K1-D9	Score	932
Exons	8149..8638		
GI Descrip.	'1781326/emb\|CAA71490\| 3.0e-25 (Y10464) peroxidase [Spinacia oleracea]'		

Seq. No.	31120	Seq. ID	OJ990619_47.9B24.C5
Gene No.	64428	Strand	-
Start	8008	End	9427
Name	OJ990619_47.9B24.C5.o2.gp	Method	AAT/GAP
Start	8734	End	9427
GI	60785_1.R1084	Score	683
Exons	8734..8766, 9106..9427		
GI Descrip.	'6091756/gb\|AAF03466.1\|AC009327_5 1.0e-10 (AC009327) putative peroxidase [Arabidopsis thaliana]'		

Seq. No.	31120	Seq. ID	OJ990619_47.9B24.C5
Gene No.	64429	Strand	-
Start	13682	End	14938
Name	OJ990619_47.9B24.C5.o3.gp	Method	AAT/GAP
Start	13460	End	13951
GI	none	Score	839
Exons	13460..13951		

Seq. No.	31120	Seq. ID	OJ990619_47.9B24.C5
Gene No.	64429	Strand	-
Start	13682	End	14938
Name	OJ990619_47.9B24.C5.o4.gs	Method	GENSCAN
Start	13682	End	14868
GI	none	Score	.99

Exons	13682..14515, 14656..14868		
Seq. No.	31120	Seq. ID	OJ990619_47.9B24.C5
Gene No.	64429	Strand	-
Start	13682	End	14938
Name	OJ990619_47.9B24.C5.o3.np	Method	AAT/NAP
Start	13697	End	14868
GI	5381253	Score	413
Exons	13697..13934, 13998..14515, 14656..14868		
GI Descrip.	(AB027752) peroxidase [Nicotiana tabacum]		
Seq. No.	31120	Seq. ID	OJ990619_47.9B24.C5
Gene No.	64429	Strand	-
Start	13682	End	14938
Name	OJ990619_47.9B24.C5.o4.gp	Method	AAT/GAP
Start	14413	End	14938
GI	60506_1.R1084	Score	722
Exons	14413..14515, 14656..14938		
GI Descrip.	'1546692/emb\|CAA67337\| 7.0e-14 (X98805) peroxidase ATP19a [Arabidopsis thaliana]'		
Seq. No.	31120	Seq. ID	OJ990619_47.9B24.C5
Gene No.	64430	Strand	-
Start	20944	End	27054
Name	OJ990619_47.9B24.C5.o6.gs	Method	GENSCAN
Start	20944	End	27054
GI	none	Score	.7
Exons	20944..21331, 21632..22764, 22945..24025, 24122..27054		
Seq. No.	31120	Seq. ID	OJ990619_47.9B24.C5
Gene No.	64430	Strand	-
Start	20944	End	27054
Name	OJ990619_47.9B24.C5.o5.np	Method	AAT/NAP
Start	20980	End	27054
GI	5922631	Score	6659
Exons	20980..23507, 24114..25037, 25164..25323, 25366..25929, 25975..26177, 26427..26671, 26930..27054		
GI Descrip.	(AP000492) ESTs C26347(C12145),AU078074(C12145) correspond to a region of the predicted gene.; similar to prpol; Zea mays retrotransposon Cinful-1. (AF049110) [Oryza sativa] gi\|6016864\|dbj\|BAA85207.1\| (AP000570) ESTs C26347(C12145),AU078074(C12145) correspond to a region of the predicted gene.; Similar to prpol; Zea mays retrotransposon Cinful-1. (AF049110) [Oryza sativ		
Seq. No.	31120	Seq. ID	OJ990619_47.9B24.C5
Gene No.	64431	Strand	-
Start	30139	End	36246
Name	OJ990619_47.9B24.C5.o12.tm	Method	TBLASTX:Maize
Start	1327	End	1599
GI	none	Score	83
Exons	1327..1362, 1362..1442, 1362..1442, 1387..1443, 1387..1461, 1434..1463, 1441..1464, 1451..1579, 1470..1550, 1475..1576, 1477..1599, 1477..1587		
Seq. No.	31120	Seq. ID	OJ990619_47.9B24.C5
Gene No.	64431	Strand	-

Start	30139	End	36246
Name	OJ990619_47.9B24.C5.o1.tc	Method	TBLASTX:Cress
Start	2466	End	6285
GI	none	Score	81
Exons	2466..2543, 5350..5712, 5425..5682, 5463..5693, 5728..6285, 5734..6009, 5802..6029		

Seq. No.	31120	Seq. ID	OJ990619_47.9B24.C5
Gene No.	64431	Strand	-
Start	30139	End	36246
Name	OJ990619_47.9B24.C5.o2.tm	Method	TBLASTX:Maize
Start	5299	End	6282
GI	none	Score	384
Exons	5299..5718, 5364..5684, 5401..5706, 5731..6282, 5748..6029, 5806..6261, 6192..6275		

Seq. No.	31120	Seq. ID	OJ990619_47.9B24.C5
Gene No.	64431	Strand	-
Start	30139	End	36246
Name	OJ990619_47.9B24.C5.o1.ts	Method	TBLASTX:Soybean
Start	5314	End	6099
GI	none	Score	48
Exons	5314..5367, 5353..5556, 5392..5499, 5460..5537, 5524..5703, 5554..5679, 5565..5699, 5705..6013, 5728..6099, 5805..6050		

Seq. No.	31120	Seq. ID	OJ990619_47.9B24.C5
Gene No.	64431	Strand	-
Start	30139	End	36246
Name	OJ990619_47.9B24.C5.o6.tw	Method	TBLASTX:Wheat
Start	5359	End	5763
GI	none	Score	387
Exons	5359..5703, 5454..5684, 5728..5763		

Seq. No.	31120	Seq. ID	OJ990619_47.9B24.C5
Gene No.	64431	Strand	-
Start	30139	End	36246
Name	OJ990619_47.9B24.C5.o11.tw	Method	TBLASTX:Wheat
Start	5805	End	6051
GI	none	Score	117
Exons	5805..5888, 5806..5913, 5914..6051, 5916..6029		

Seq. No.	31120	Seq. ID	OJ990619_47.9B24.C5
Gene No.	64431	Strand	-
Start	30139	End	36246
Name	OJ990619_47.9B24.C5.o11.tm	Method	TBLASTX:Maize
Start	8019	End	8251
GI	none	Score	153
Exons	8019..8069, 8020..8250, 8021..8251		

Seq. No.	31120	Seq. ID	OJ990619_47.9B24.C5
Gene No.	64431	Strand	-
Start	30139	End	36246
Name	OJ990619_47.9B24.C5.o2.tc	Method	TBLASTX:Cress
Start	8020	End	30833
GI	none	Score	94
Exons	8020..8280, 8021..8257, 8365..8646, 8531..8656, 8653..8766, 9106..9243, 9110..9244, 14102..14314, 14336..14395,		

14438..14521, 14656..14796, 30562..30741, 30750..30833

Seq. No.	31120	Seq. ID	OJ990619_47.9B24.C5
Gene No.	64431	Strand	-
Start	30139	End	36246
Name	OJ990619_47.9B24.C5.o2.ts	Method	TBLASTX:Soybean
Start	8020	End	31931
GI	none	Score	115
Exons	8020..8295, 8365..8694, 8417..8698, 8722..8766, 9107..9220, 9109..9258, 14102..14314, 14321..14521, 14659..14805, 30154..30204, 30205..30369, 30562..30741, 30748..30834, 30750..30872, 30834..30968, 30835..30963, 31839..31931		

Seq. No.	31120	Seq. ID	OJ990619_47.9B24.C5
Gene No.	64431	Strand	-
Start	30139	End	36246
Name	OJ990619_47.9B24.C5.o1.tm	Method	TBLASTX:Maize
Start	8368	End	31946
GI	none	Score	77
Exons	8368..8505, 8375..8470, 8518..8595, 8575..8703, 8585..8671, 8704..8766, 9106..9264, 13697..14020, 13698..14009, 14009..14263, 14010..14201, 14243..14521, 14265..14468, 14656..14796, 14657..14788, 14770..14799, 30139..30198, 30202..30372, 30442..30471, 30559..30711, 30563..30712, 30741..30860, 30765..30833, 30849..30968, 30937..30963, 31840..31938, 31842..31946		

Seq. No.	31120	Seq. ID	OJ990619_47.9B24.C5
Gene No.	64431	Strand	-
Start	30139	End	36246
Name	OJ990619_47.9B24.C5.o10.tw	Method	TBLASTX:Wheat
Start	8389	End	30968
GI	none	Score	133
Exons	8389..8715, 8390..8716, 9109..9255, 14114..14314, 14333..14446, 14474..14521, 14659..14796, 30574..30738, 30750..30863, 30927..30968		

Seq. No.	31120	Seq. ID	OJ990619_47.9B24.C5
Gene No.	64431	Strand	-
Start	30139	End	36246
Name	OJ990619_47.9B24.C5.o12.tw	Method	TBLASTX:Wheat
Start	16743	End	17033
GI	none	Score	204
Exons	16743..17033		

Seq. No.	31120	Seq. ID	OJ990619_47.9B24.C5
Gene No.	64431	Strand	-
Start	30139	End	36246
Name	OJ990619_47.9B24.C5.o4.tw	Method	TBLASTX:Wheat
Start	20956	End	21570
GI	none	Score	79
Exons	20956..21093, 21079..21570, 21287..21415, 21464..21550		

Seq. No.	31120	Seq. ID	OJ990619_47.9B24.C5
Gene No.	64431	Strand	-
Start	30139	End	36246
Name	OJ990619_47.9B24.C5.o9.tm	Method	TBLASTX:Maize

Start	20993	End	21228
GI	none	Score	104
Exons	20993..21097, 20995..21096, 21076..21228		

Seq. No.	31120	Seq. ID	OJ990619_47.9B24.C5
Gene No.	64431	Strand	-
Start	30139	End	36246
Name	OJ990619_47.9B24.C5.o13.tm	Method	TBLASTX:Maize
Start	21340	End	21613
GI	none	Score	54
Exons	21340..21426, 21436..21519, 21449..21523, 21506..21613, 21514..21612		

Seq. No.	31120	Seq. ID	OJ990619_47.9B24.C5
Gene No.	64431	Strand	-
Start	30139	End	36246
Name	OJ990619_47.9B24.C5.o3.tw	Method	TBLASTX:Wheat
Start	21685	End	22072
GI	none	Score	100
Exons	21685..21876, 21685..22071, 21761..22072		

Seq. No.	31120	Seq. ID	OJ990619_47.9B24.C5
Gene No.	64431	Strand	-
Start	30139	End	36246
Name	OJ990619_47.9B24.C5.o3.tm	Method	TBLASTX:Maize
Start	21715	End	22078
GI	none	Score	67
Exons	21715..21762, 21716..21763, 21734..22057, 21754..22077, 21767..22078		

Seq. No.	31120	Seq. ID	OJ990619_47.9B24.C5
Gene No.	64431	Strand	-
Start	30139	End	36246
Name	OJ990619_47.9B24.C5.o7.tw	Method	TBLASTX:Wheat
Start	22266	End	24774
GI	none	Score	57
Exons	22266..22349, 24097..24270, 24317..24553, 24319..24549, 24601..24774		

Seq. No.	31120	Seq. ID	OJ990619_47.9B24.C5
Gene No.	64431	Strand	-
Start	30139	End	36246
Name	OJ990619_47.9B24.C5.o5.tw	Method	TBLASTX:Wheat
Start	22390	End	22812
GI	none	Score	265
Exons	22390..22812, 22400..22804		

Seq. No.	31120	Seq. ID	OJ990619_47.9B24.C5
Gene No.	64431	Strand	-
Start	30139	End	36246
Name	OJ990619_47.9B24.C5.o4.ts	Method	TBLASTX:Soybean
Start	22433	End	22821
GI	none	Score	151
Exons	22433..22813, 22435..22677, 22717..22821		

Seq. No.	31120	Seq. ID	OJ990619_47.9B24.C5
Gene No.	64431	Strand	-

Start	30139	End	36246
Name	OJ990619_47.9B24.C5.o9.tw	Method	TBLASTX:Wheat
Start	22813	End	23098
GI	none	Score	54
Exons	22813..22941, 22816..23097, 23021..23098		

Seq. No.	31120	Seq. ID	OJ990619_47.9B24.C5
Gene No.	64431	Strand	-
Start	30139	End	36246
Name	OJ990619_47.9B24.C5.o3.ts	Method	TBLASTX:Soybean
Start	23047	End	23448
GI	none	Score	44
Exons	23047..23448, 23081..23251, 23288..23431		

Seq. No.	31120	Seq. ID	OJ990619_47.9B24.C5
Gene No.	64431	Strand	-
Start	30139	End	36246
Name	OJ990619_47.9B24.C5.o2.tw	Method	TBLASTX:Wheat
Start	23102	End	23526
GI	none	Score	282
Exons	23102..23470, 23107..23526, 23108..23482		

Seq. No.	31120	Seq. ID	OJ990619_47.9B24.C5
Gene No.	64431	Strand	-
Start	30139	End	36246
Name	OJ990619_47.9B24.C5.o5.tm	Method	TBLASTX:Maize
Start	23200	End	23583
GI	none	Score	148
Exons	23200..23583, 23201..23479		

Seq. No.	31120	Seq. ID	OJ990619_47.9B24.C5
Gene No.	64431	Strand	-
Start	30139	End	36246
Name	OJ990619_47.9B24.C5.o4.tm	Method	TBLASTX:Maize
Start	23611	End	23967
GI	none	Score	210
Exons	23611..23967, 23621..23926		

Seq. No.	31120	Seq. ID	OJ990619_47.9B24.C5
Gene No.	64431	Strand	-
Start	30139	End	36246
Name	OJ990619_47.9B24.C5.o1.tw	Method	TBLASTX:Wheat
Start	23641	End	24097
GI	none	Score	279
Exons	23641..24096, 23642..24097		

Seq. No.	31120	Seq. ID	OJ990619_47.9B24.C5
Gene No.	64431	Strand	-
Start	30139	End	36246
Name	OJ990619_47.9B24.C5.o5.ts	Method	TBLASTX:Soybean
Start	23692	End	24057
GI	none	Score	129
Exons	23692..23826, 23833..24057		

Seq. No.	31120	Seq. ID	OJ990619_47.9B24.C5
Gene No.	64431	Strand	-
Start	30139	End	36246

Name	OJ990619_47.9B24.C5.o8.tw	Method	TBLASTX:Wheat
Start	25351	End	25753
GI	none	Score	57
Exons	25351..25752, 25700..25753		

Seq. No.	31120	Seq. ID	OJ990619_47.9B24.C5
Gene No.	64431	Strand	-
Start	30139	End	36246
Name	OJ990619_47.9B24.C5.o7.gs	Method	GENSCAN
Start	30139	End	32063
GI	none	Score	.91
Exons	30139..30777, 30813..30962, 31839..32063		

Seq. No.	31120	Seq. ID	OJ990619_47.9B24.C5
Gene No.	64431	Strand	-
Start	30139	End	36246
Name	OJ990619_47.9B24.C5.o6.np	Method	AAT/NAP
Start	30390	End	36246
GI	6016874	Score	2158
Exons	30390..30791, 33363..33598, 34047..34409, 34527..34706, 35100..35259, 35650..35882, 35947..36084, 36168..36246		
GI Descrip.	(AP000570) ESTs C19143(E10020),D25076(R3116) correspond to a region of the predicted gene.; Similar to putative AC9 transposase. (P03010) [Oryza sativa]		

Seq. No.	31120	Seq. ID	OJ990619_47.9B24.C5
Gene No.	64431	Strand	-
Start	30139	End	36246
Name	OJ990619_47.9B24.C5.o7.gp	Method	AAT/GAP
Start	30828	End	32088
GI	51932_1.R1084	Score	711
Exons	30828..30962, 31839..32088		
GI Descrip.	'1781328/emb\|CAA71491\| 1.0e-14 (Y10465) peroxidase [Spinacia oleracea]'		

Seq. No.	31120	Seq. ID	OJ990619_47.9B24.C5
Gene No.	64431	Strand	-
Start	30139	End	36246
Name	OJ990619_47.9B24.C5.o8.gs	Method	GENSCAN
Start	34066	End	36246
GI	none	Score	.7
Exons	34066..34526, 35100..35259, 35794..35882, 35947..36084, 36168..36246		

Seq. No.	31120	Seq. ID	OJ990619_47.9B24.C5
Gene No.	64431	Strand	-
Start	30139	End	36246
Name	OJ990619_47.9B24.C5.o7.tm	Method	TBLASTX:Maize
Start	34132	End	34375
GI	none	Score	97
Exons	34132..34365, 34217..34375		

Seq. No.	31120	Seq. ID	OJ990619_47.9B24.C5
Gene No.	64431	Strand	-
Start	30139	End	36246
Name	OJ990619_47.9B24.C5.o10.tm	Method	TBLASTX:Maize
Start	34487	End	34839

GI	none	Score	136
Exons	34487..34828, 34558..34839		

Seq. No.	31120	Seq. ID	OJ990619_47.9B24.C5
Gene No.	64431	Strand	-
Start	30139	End	36246
Name	OJ990619_47.9B24.C5.o8.tm	Method	TBLASTX:Maize
Start	35044	End	35358
GI	none	Score	106
Exons	35044..35271, 35045..35263, 35284..35358		

Seq. No.	31120	Seq. ID	OJ990619_47.9B24.C5
Gene No.	64431	Strand	-
Start	30139	End	36246
Name	OJ990619_47.9B24.C5.o8.gp	Method	AAT/GAP
Start	35049	End	35557
GI	uC-osflcyp110c07b1	Score	958
Exons	35049..35557		
GI Descrip.	'4680178/gb\|AF111709.1\|AF111709 5.0e-81 Oryza sativa subsp. indica Retrosat 1 retrotransposon and Ty3-Gypsy type Retrosat 2 retrotransposon, complete sequences; and unknown genes'		

Seq. No.	31120	Seq. ID	OJ990619_47.9B24.C5
Gene No.	64431	Strand	-
Start	30139	End	36246
Name	OJ990619_47.9B24.C5.o6.tm	Method	TBLASTX:Maize
Start	35452	End	35898
GI	none	Score	112
Exons	35452..35490, 35485..35547, 35548..35826, 35618..35803, 35812..35898		

Seq. No.	31121	Seq. ID	OJ990619_47.9B24.C6
Gene No.	64432	Strand	+
Start	148	End	1193
Name	OJ990619_47.9B24.C6.o1.gs	Method	GENSCAN
Start	148	End	1193
GI	none	Score	.5
Exons	148..401, 760..1033, 1051..1193		

Seq. No.	31121	Seq. ID	OJ990619_47.9B24.C6
Gene No.	64433	Strand	-
Start	2748	End	6292
Name	OJ990619_47.9B24.C6.o2.gs	Method	GENSCAN
Start	2748	End	6292
GI	none	Score	.85
Exons	2748..2777, 5037..5236, 5298..5457, 5654..5715, 6029..6143, 6195..6292		

Seq. No.	31122	Seq. ID	OJ990619_47.9B24.C7
Gene No.	64434	Strand	+
Start	1341	End	2180
Name	OJ990619_47.9B24.C7.o1.gs	Method	GENSCAN
Start	1341	End	2180
GI	none	Score	.97
Exons	1341..2180		

Seq. No.	31122	Seq. ID	OJ990619_47.9B24.C7

Gene No.	64435	Strand	+
Start	8418	End	15522
Name	OJ990619_47.9B24.C7.o2.np	Method	AAT/NAP
Start	8418	End	15522
GI	2191168	Score	221
Exons	8418..8470, 13079..13469, 13500..13648, 15007..15138, 15468..15522		
GI Descrip.	(AF007270) contains similarity to myosin heavy chain [Arabidopsis thaliana]		

Seq. No.	31122	Seq. ID	OJ990619_47.9B24.C7
Gene No.	64435	Strand	+
Start	8418	End	15522
Name	OJ990619_47.9B24.C7.o5.gs	Method	GENSCAN
Start	11987	End	15429
GI	none	Score	.93
Exons	11987..12031, 12219..12267, 12775..12882, 12912..13667, 14753..15429		

Seq. No.	31122	Seq. ID	OJ990619_47.9B24.C7
Gene No.	64435	Strand	+
Start	8418	End	15522
Name	OJ990619_47.9B24.C7.o3.gp	Method	AAT/GAP
Start	15182	End	15522
GI	568359	Score	671
Exons	15182..15522		

Seq. No.	31122	Seq. ID	OJ990619_47.9B24.C7
Gene No.	64436	Strand	-
Start	867	End	5660
Name	OJ990619_47.9B24.C7.o1.gp	Method	AAT/GAP
Start	867	End	1486
GI	none	Score	1203
Exons	867..1486		

Seq. No.	31122	Seq. ID	OJ990619_47.9B24.C7
Gene No.	64436	Strand	-
Start	867	End	5660
Name	OJ990619_47.9B24.C7.o1.np	Method	AAT/NAP
Start	1323	End	5522
GI	4760700	Score	439
Exons	1323..2126, 5325..5522		
GI Descrip.	(AB024437) peroxidase 1 [Scutellaria baicalensis]		

Seq. No.	31122	Seq. ID	OJ990619_47.9B24.C7
Gene No.	64436	Strand	-
Start	867	End	5660
Name	OJ990619_47.9B24.C7.o2.gp	Method	AAT/GAP
Start	1864	End	5660
GI	25231_1.R1084	Score	1070
Exons	1864..2126, 5325..5660		
GI Descrip.	'3928088 8.0e-26 (AC005770) putative peroxidase [Arabidopsis thaliana]'		

Seq. No.	31122	Seq. ID	OJ990619_47.9B24.C7
Gene No.	64437	Strand	-
Start	7039	End	10951

Name	OJ990619_47.9B24.C7.o1.tm	Method	TBLASTX:Maize
Start	1311	End	5450
GI	none	Score	155
Exons	1311..1553, 1371..1511, 1429..1563, 1429..1566, 1521..1850, 1582..1848, 1824..2132, 1852..2142, 5325..5450, 5326..5448		

Seq. No.	31122	Seq. ID	OJ990619_47.9B24.C7
Gene No.	64437	Strand	-
Start	7039	End	10951
Name	OJ990619_47.9B24.C7.o1.tc	Method	TBLASTX:Cress
Start	1713	End	5450
GI	none	Score	84
Exons	1713..1937, 1932..2132, 5325..5450		

Seq. No.	31122	Seq. ID	OJ990619_47.9B24.C7
Gene No.	64437	Strand	-
Start	7039	End	10951
Name	OJ990619_47.9B24.C7.o1.ts	Method	TBLASTX:Soybean
Start	1713	End	5450
GI	none	Score	56
Exons	1713..1937, 1938..2075, 1948..1998, 2094..2132, 2110..2142, 5325..5450		

Seq. No.	31122	Seq. ID	OJ990619_47.9B24.C7
Gene No.	64437	Strand	-
Start	7039	End	10951
Name	OJ990619_47.9B24.C7.o4.gs	Method	GENSCAN
Start	7039	End	10951
GI	none	Score	.66
Exons	7039..7182, 9704..9921, 10879..10951		

Seq. No.	31122	Seq. ID	OJ990619_47.9B24.C7
Gene No.	64438	Strand	
Start	13157	End	13453
Name	OJ990619_47.9B24.C7.o2.tc	Method	TBLASTX:Cress
Start	13157	End	13453
GI	none	Score	107
Exons	13157..13279, 13295..13453		

Seq. No.	31122	Seq. ID	OJ990619_47.9B24.C7
Gene No.	64439	Strand	
Start	14762	End	15324
Name	OJ990619_47.9B24.C7.o2.tm	Method	TBLASTX:Maize
Start	14762	End	15324
GI	none	Score	62
Exons	14762..14851, 14765..14851, 14848..14994, 14849..14992, 14852..15070, 14853..15071, 14895..15074, 15037..15075, 15052..15096, 15134..15313, 15177..15314, 15178..15324		

Seq. No.	31123	Seq. ID	OJ990619_47.9B24.C8
Gene No.	64440	Strand	+
Start	1	End	1733
Name	OJ990619_47.9B24.C8.o1.np	Method	AAT/NAP
Start	1	End	1472
GI	2191168	Score	436
Exons	1..255, 346..609, 1118..1472		
GI Descrip.	(AF007270) contains similarity to myosin heavy chain		

[Arabidopsis thaliana]

Seq. No.	31123	Seq. ID	OJ990619_47.9B24.C8
Gene No.	64440	Strand	+
Start	1	End	1733
Name	OJ990619_47.9B24.C8.o1.gs	Method	GENSCAN
Start	73	End	1733
GI	none	Score	.76
Exons	73..255, 346..609, 1118..1273, 1371..1470, 1612..1733		

Seq. No.	31123	Seq. ID	OJ990619_47.9B24.C8
Gene No.	64441	Strand	-
Start	3597	End	8028
Name	OJ990619_47.9B24.C8.o2.tc	Method	TBLASTX:Cress
Start	43	End	540
GI	none	Score	37
Exons	43..69, 127..258, 136..246, 334..540, 345..515		

Seq. No.	31123	Seq. ID	OJ990619_47.9B24.C8
Gene No.	64441	Strand	-
Start	3597	End	8028
Name	OJ990619_47.9B24.C8.o2.ts	Method	TBLASTX:Soybean
Start	160	End	1460
GI	none	Score	124
Exons	160..258, 162..254, 333..614, 334..600, 1120..1182, 1124..1261, 1368..1460		

Seq. No.	31123	Seq. ID	OJ990619_47.9B24.C8
Gene No.	64441	Strand	-
Start	3597	End	8028
Name	OJ990619_47.9B24.C8.o2.tm	Method	TBLASTX:Maize
Start	335	End	1470
GI	none	Score	301
Exons	335..610, 339..614, 339..608, 340..618, 1117..1272, 1118..1279, 1118..1276, 1362..1454, 1362..1451, 1378..1470		

Seq. No.	31123	Seq. ID	OJ990619_47.9B24.C8
Gene No.	64441	Strand	-
Start	3597	End	8028
Name	OJ990619_47.9B24.C8.o1.tm	Method	TBLASTX:Maize
Start	3519	End	4800
GI	none	Score	62
Exons	3519..3659, 3597..3686, 3717..3812, 3721..3753, 3726..3797, 3789..4181, 3804..4187, 3811..4197, 4025..4186, 4265..4501, 4268..4504, 4269..4505, 4306..4509, 4615..4800, 4616..4783		

Seq. No.	31123	Seq. ID	OJ990619_47.9B24.C8
Gene No.	64441	Strand	-
Start	3597	End	8028
Name	OJ990619_47.9B24.C8.o1.gp	Method	AAT/GAP
Start	3539	End	4694
GI	27475_1.R1084	Score	1740
Exons	3539..4179, 4269..4504, 4618..4694		
GI Descrip.	'3643085/gb\|AAC36698\| 4.0e-50 (AF075580) protein phosphatase-2C; PP2C [Mesembryanthemum crystallinum]'		

Seq. No.	31123	Seq. ID	OJ990619_47.9B24.C8

Gene No.	64441	Strand	-
Start	3597	End	8028
Name	OJ990619_47.9B24.C8.o2.np	Method	AAT/NAP
Start	3594	End	5690
GI	3643085	Score	999
Exons	3594..4179, 4269..4504, 4618..4798, 5599..5690		
GI Descrip.	(AF075580) protein phosphatase-2C; PP2C [Mesembryanthemum crystallinum]		

Seq. No.	31123	Seq. ID	OJ990619_47.9B24.C8
Gene No.	64441	Strand	-
Start	3597	End	8028
Name	OJ990619_47.9B24.C8.o2.gs	Method	GENSCAN
Start	3597	End	8028
GI	none	Score	.77
Exons	3597..4179, 4269..4504, 4618..4809, 5616..5804, 7930..8028		

Seq. No.	31123	Seq. ID	OJ990619_47.9B24.C8
Gene No.	64441	Strand	-
Start	3597	End	8028
Name	OJ990619_47.9B24.C8.o1.ts	Method	TBLASTX:Soybean
Start	3609	End	4764
GI	none	Score	53
Exons	3609..3671, 3610..3663, 3718..4197, 3723..4181, 4268..4504, 4269..4505, 4615..4764, 4616..4762		

Seq. No.	31123	Seq. ID	OJ990619_47.9B24.C8
Gene No.	64441	Strand	-
Start	3597	End	8028
Name	OJ990619_47.9B24.C8.o1.tc	Method	TBLASTX:Cress
Start	3721	End	4310
GI	none	Score	246
Exons	3721..4176, 3729..4196, 3729..4181, 4268..4309, 4272..4310		

Seq. No.	31123	Seq. ID	OJ990619_47.9B24.C8
Gene No.	64441	Strand	-
Start	3597	End	8028
Name	OJ990619_47.9B24.C8.o1.tw	Method	TBLASTX:Wheat
Start	3783	End	4116
GI	none	Score	314
Exons	3783..4115, 3783..4115, 3811..4116		

Seq. No.	31123	Seq. ID	OJ990619_47.9B24.C8
Gene No.	64441	Strand	-
Start	3597	End	8028
Name	OJ990619_47.9B24.C8.o2.gp	Method	AAT/GAP
Start	5659	End	5951
GI	none	Score	442
Exons	5659..5951		

Seq. No.	31124	Seq. ID	OJ990619_47.9B24.C9
Gene No.	64442	Strand	+
Start	886	End	8729
Name	OJ990619_47.9B24.C9.o1.gs	Method	GENSCAN
Start	886	End	8661
GI	none	Score	.72
Exons	886..888, 1364..1430, 2076..2211, 2234..2328, 3301..3365,		

3601..3629, 5715..6000, 6819..6896, 6976..7068, 7183..7242, 7349..7621, 7707..7781, 8036..8176, 8268..8318, 8395..8490, 8578..8661

Seq. No.	31124	Seq. ID	OJ990619_47.9B24.C9
Gene No.	64442	Strand	+
Start	886	End	8729
Name	OJ990619_47.9B24.C9.o1.np	Method	AAT/NAP
Start	2069	End	3678
GI	6539588	Score	176
Exons	2069..2318, 3581..3678		
GI Descrip.	(AP000837) hypothetical protein [Oryza sativa]		

Seq. No.	31124	Seq. ID	OJ990619_47.9B24.C9
Gene No.	64442	Strand	+
Start	886	End	8729
Name	OJ990619_47.9B24.C9.o1.gp	Method	AAT/GAP
Start	5751	End	7380
GI	155_1.R1084	Score	936
Exons	5751..5892, 6710..6896, 6976..7068, 7183..7242, 7349..7380		
GI Descrip.	'1709129/sp\|P51139\|MSK3_MEDSA 3.0e-27 GLYCOGEN SYNTHASE KINASE-3 HOMOLOG MSK-3 >gi_481018_pir__S37642 protein kinase MSK-3 (EC 2.7.1.-) - alfalfa >gi_313148_emb_CAA48472_ (X68409) protein kinase [Medicago sativa]'		

Seq. No.	31124	Seq. ID	OJ990619_47.9B24.C9
Gene No.	64442	Strand	+
Start	886	End	8729
Name	OJ990619_47.9B24.C9.o1.tm	Method	TBLASTX:Maize
Start	6706	End	8685
GI	none	Score	46
Exons	6706..6765, 6710..6751, 6753..6896, 6764..6886, 6774..6899, 6973..7098, 6975..7067, 7179..7241, 7180..7242, 7345..7620, 7347..7622, 7349..7624, 7662..7784, 7705..7788, 7706..7783, 7879..7959, 7888..7959, 7895..7963, 7899..7967, 8034..8159, 8035..8175, 8036..8176, 8267..8320, 8267..8320, 8387..8491, 8392..8493, 8394..8504, 8569..8685, 8572..8661, 8595..8684		

Seq. No.	31124	Seq. ID	OJ990619_47.9B24.C9
Gene No.	64442	Strand	+
Start	886	End	8729
Name	OJ990619_47.9B24.C9.o2.np	Method	AAT/NAP
Start	6777	End	8729
GI	2191169	Score	1250
Exons	6777..6893, 6976..7116, 7174..7242, 7349..7621, 7707..7781, 7900..7974, 8005..8176, 8268..8318, 8395..8490, 8578..8729		
GI Descrip.	(AF007270) Similar to shaggy related protein kinase. Belongs to the CDC2/CDKX subfamily [Arabidopsis thaliana]		

Seq. No.	31124	Seq. ID	OJ990619_47.9B24.C9
Gene No.	64442	Strand	+
Start	886	End	8729
Name	OJ990619_47.9B24.C9.o1.ts	Method	TBLASTX:Soybean
Start	6843	End	8685
GI	none	Score	66
Exons	6843..6899, 6846..6890, 6973..7098, 6975..7067, 7179..7241, 7180..7242, 7190..7243, 7345..7617, 7347..7607, 7348..7617,		

7349..7624, 7662..7784, 7722..7781, 7729..7788, 7879..7959, 7899..7967, 7959..8036, 8034..8159, 8035..8151, 8035..8175, 8036..8176, 8219..8320, 8267..8320, 8277..8321, 8387..8491, 8392..8493, 8394..8489, 8569..8685, 8595..8660

Seq. No.	31124	Seq. ID	OJ990619_47.9B24.C9
Gene No.	64442	Strand	+
Start	886	End	8729
Name	OJ990619_47.9B24.C9.o1.tc	Method	TBLASTX:Cress
Start	6948	End	8664
GI	none	Score	83
Exons	6948..7067, 6958..7113, 7179..7241, 7180..7242, 7181..7243, 7345..7590, 7346..7621, 7348..7617, 7349..7624, 7662..7784, 7706..7783, 7711..7788, 7879..7959, 7899..7967, 8025..8150, 8031..8150, 8035..8154, 8035..8175, 8036..8176, 8036..8176, 8267..8320, 8277..8321, 8392..8493, 8394..8492, 8569..8664, 8572..8643		

Seq. No.	31124	Seq. ID	OJ990619_47.9B24.C9
Gene No.	64442	Strand	+
Start	886	End	8729
Name	OJ990619_47.9B24.C9.o1.tw	Method	TBLASTX:Wheat
Start	7000	End	7624
GI	none	Score	57
Exons	7000..7113, 7180..7242, 7182..7244, 7182..7241, 7323..7619, 7345..7623, 7347..7619, 7349..7624		

Seq. No.	31124	Seq. ID	OJ990619_47.9B24.C9
Gene No.	64442	Strand	+
Start	886	End	8729
Name	OJ990619_47.9B24.C9.o2.gp	Method	AAT/GAP
Start	7547	End	8661
GI	13125_1.R1084	Score	988
Exons	7547..7621, 7707..7781, 7900..7956, 8036..8176, 8268..8318, 8395..8490, 8578..8661		
GI Descrip.	'1709129/sp\|P51139\|MSK3_MEDSA 1.0e-135 GLYCOGEN SYNTHASE KINASE-3 HOMOLOG MSK-3 >gi_481018_pir__S37642 protein kinase MSK-3 (EC 2.7.1.-) - alfalfa >gi_313148_emb_CAA48472_ (X68409) protein kinase [Medicago sativa]'		

Seq. No.	31124	Seq. ID	OJ990619_47.9B24.C9
Gene No.	64442	Strand	+
Start	886	End	8729
Name	OJ990619_47.9B24.C9.o2.tw	Method	TBLASTX:Wheat
Start	8392	End	8664
GI	none	Score	185
Exons	8392..8493, 8392..8490, 8394..8492, 8569..8664, 8572..8661		

Seq. No.	31125	Seq. ID	OJ990619_47.9B24.C11
Gene No.	64443	Strand	+
Start	1	End	883
Name	OJ990619_47.9B24.C11.o1.np	Method	AAT/NAP
Start	1	End	883
GI	3643085	Score	231
Exons	1..45, 530..712, 825..883		
GI Descrip.	(AF075580) protein phosphatase-2C; PP2C [Mesembryanthemum crystallinum]		

Seq. No.	31125	Seq. ID	OJ990619_47.9B24.C11
Gene No.	64443	Strand	+
Start	1	End	883
Name	OJ990619_47.9B24.C11.o1.tm	Method	TBLASTX:Maize
Start	520	End	883
GI	none	Score	107
Exons	520..570, 564..695, 565..714, 568..714, 569..715, 820..882, 824..883, 825..881		

Seq. No.	31125	Seq. ID	OJ990619_47.9B24.C11
Gene No.	64443	Strand	+
Start	1	End	883
Name	OJ990619_47.9B24.C11.o1.gs	Method	GENSCAN
Start	521	End	712
GI	none	Score	.91
Exons	521..712		

Seq. No.	31125	Seq. ID	OJ990619_47.9B24.C11
Gene No.	64443	Strand	+
Start	1	End	883
Name	OJ990619_47.9B24.C11.o1.ts	Method	TBLASTX:Soybean
Start	566	End	875
GI	none	Score	215
Exons	566..715, 568..714, 825..875		

Seq. No.	31125	Seq. ID	OJ990619_47.9B24.C11
Gene No.	64443	Strand	+
Start	1	End	883
Name	OJ990619_47.9B24.C11.o1.gp	Method	AAT/GAP
Start	636	End	883
GI	27475_1.R1084	Score	204
Exons	636..712, 825..883		
GI Descrip.	'3643085/gb\|AAC36698\| 4.0e-50 (AF075580) protein phosphatase-2C; PP2C [Mesembryanthemum crystallinum]'		

Seq. No.	31126	Seq. ID	OJ990619_44.9B05.C1
Gene No.	64444	Strand	+
Start	488	End	1084
Name	OJ990619_44.9B05.C1.o1.np	Method	AAT/NAP
Start	488	End	1084
GI	2498930	Score	674
Exons	488..548, 716..1084		
GI Descrip.	DORSAL-VENTRAL PATTERNING PROTEIN SOG (SHORT GASTRULATION PROTEIN) gi\|1203794 (U18774) Sog [Drosophila melanogaster]		

Seq. No.	31126	Seq. ID	OJ990619_44.9B05.C1
Gene No.	64444	Strand	+
Start	488	End	1084
Name	OJ990619_44.9B05.C1.o1.gs	Method	GENSCAN
Start	489	End	1018
GI	none	Score	.7
Exons	489..548, 716..1018		

Seq. No.	31127	Seq. ID	OJ990619_44.9B05.C2
Gene No.	64445	Strand	-
Start	271	End	319

Name	OJ990619_44.9B05.C2.o1.gs	Method	GENSCAN
Start	271	End	319
GI	none	Score	.88
Exons	271..319		

Seq. No.	31128	Seq. ID	OJ990619_44.9B05.C3
Gene No.	64446	Strand	+
Start	39	End	19604
Name	OJ990619_44.9B05.C3.o1.np	Method	AAT/NAP
Start	39	End	4793
GI	2586082	Score	4831
Exons	39..123, 514..3104, 3144..4793		
GI Descrip.	(U72725) retrofit [Oryza longistaminata]		

Seq. No.	31128	Seq. ID	OJ990619_44.9B05.C3
Gene No.	64446	Strand	+
Start	39	End	19604
Name	OJ990619_44.9B05.C3.o3.np	Method	AAT/NAP
Start	1378	End	19604
GI	5702196	Score	485
Exons	1378..1494, 7850..8343, 11177..12509, 17490..17620, 19526..19604		
GI Descrip.	(AF107293) rust resistance protein [Zea mays]		

Seq. No.	31128	Seq. ID	OJ990619_44.9B05.C3
Gene No.	64446	Strand	+
Start	39	End	19604
Name	OJ990619_44.9B05.C3.o2.np	Method	AAT/NAP
Start	8991	End	11045
GI	6069646	Score	995
Exons	8991..9773, 10056..11045		
GI Descrip.	(AP000616) similar to putative reverse transcriptase (AC005315) [Oryza sativa] gi\|6907112\|dbj\|BAA90639.1\| (AP001129) Similar to Arabidopsis thaliana chromosome II BAC F9O13 genomic sequence, putative non-LTR retroelement reverse transcriptase. (AC006248) [Oryza sativa]		

Seq. No.	31128	Seq. ID	OJ990619_44.9B05.C3
Gene No.	64446	Strand	+
Start	39	End	19604
Name	OJ990619_44.9B05.C3.o4.np	Method	AAT/NAP
Start	14152	End	17727
GI	2258319	Score	83
Exons	14152..14176, 17022..17161, 17442..17727		
GI Descrip.	(AF004880) resistance complex protein I2C-3 [Lycopersicon esculentum]		

Seq. No.	31128	Seq. ID	OJ990619_44.9B05.C3
Gene No.	64446	Strand	+
Start	39	End	19604
Name	OJ990619_44.9B05.C3.o2.gs	Method	GENSCAN
Start	16466	End	18826
GI	none	Score	.57
Exons	16466..17706, 18799..18826		

Seq. No.	31128	Seq. ID	OJ990619_44.9B05.C3
Gene No.	64447	Strand	-
Start	4801	End	5119

Name	OJ990619_44.9B05.C3.o1.gp	Method	AAT/GAP
Start	4801	End	5119
GI	none	Score	603
Exons	4801..5119		

Seq. No.	31128	Seq. ID	OJ990619_44.9B05.C3
Gene No.	64448	Strand	-
Start	19953	End	21246
Name	OJ990619_44.9B05.C3.o3.gs	Method	GENSCAN
Start	19953	End	21246
GI	none	Score	.74
Exons	19953..20003, 20872..21033, 21087..21149, 21241..21246		

Seq. No.	31128	Seq. ID	OJ990619_44.9B05.C3
Gene No.	64449	Strand	-
Start	21660	End	21802
Name	OJ990619_44.9B05.C3.o2.gp	Method	AAT/GAP
Start	21660	End	21802
GI	21474_1.R1084	Score	256
Exons	21660..21802		
GI Descrip.	'3894159 2.0e-10 (AC005312) hypothetical protein [Arabidopsis thaliana]'		

Seq. No.	31128	Seq. ID	OJ990619_44.9B05.C3
Gene No.	64450	Strand	-
Start	21926	End	26712
Name	OJ990619_44.9B05.C3.o3.tm	Method	TBLASTX:Maize
Start	509	End	938
GI	none	Score	100
Exons	509..607, 519..611, 639..938, 659..916		

Seq. No.	31128	Seq. ID	OJ990619_44.9B05.C3
Gene No.	64450	Strand	-
Start	21926	End	26712
Name	OJ990619_44.9B05.C3.o7.tw	Method	TBLASTX:Wheat
Start	522	End	947
GI	none	Score	91
Exons	522..644, 527..643, 629..757, 633..743, 762..917, 912..947		

Seq. No.	31128	Seq. ID	OJ990619_44.9B05.C3
Gene No.	64450	Strand	-
Start	21926	End	26712
Name	OJ990619_44.9B05.C3.o11.tm	Method	TBLASTX:Maize
Start	939	End	1505
GI	none	Score	81
Exons	939..1070, 1260..1505, 1383..1505		

Seq. No.	31128	Seq. ID	OJ990619_44.9B05.C3
Gene No.	64450	Strand	-
Start	21926	End	26712
Name	OJ990619_44.9B05.C3.o2.tw	Method	TBLASTX:Wheat
Start	1323	End	1715
GI	none	Score	264
Exons	1323..1556, 1374..1508, 1536..1715, 1550..1714		

Seq. No.	31128	Seq. ID	OJ990619_44.9B05.C3
Gene No.	64450	Strand	-

Start	21926	End	26712
Name	OJ990619_44.9B05.C3.o3.ts	Method	TBLASTX:Soybean
Start	1782	End	2192
GI	none	Score	186
Exons	1782..1997, 1888..2001, 2022..2192		

Seq. No.	31128	Seq. ID	OJ990619_44.9B05.C3
Gene No.	64450	Strand	-
Start	21926	End	26712
Name	OJ990619_44.9B05.C3.o6.tw	Method	TBLASTX:Wheat
Start	2001	End	2615
GI	none	Score	165
Exons	2001..2189, 2208..2399, 2409..2471, 2508..2615		

Seq. No.	31128	Seq. ID	OJ990619_44.9B05.C3
Gene No.	64450	Strand	-
Start	21926	End	26712
Name	OJ990619_44.9B05.C3.o1.tc	Method	TBLASTX:Cress
Start	2202	End	2651
GI	none	Score	354
Exons	2202..2651		

Seq. No.	31128	Seq. ID	OJ990619_44.9B05.C3
Gene No.	64450	Strand	-
Start	21926	End	26712
Name	OJ990619_44.9B05.C3.o4.ts	Method	TBLASTX:Soybean
Start	2214	End	2633
GI	none	Score	264
Exons	2214..2633		

Seq. No.	31128	Seq. ID	OJ990619_44.9B05.C3
Gene No.	64450	Strand	-
Start	21926	End	26712
Name	OJ990619_44.9B05.C3.o10.tm	Method	TBLASTX:Maize
Start	2307	End	2630
GI	none	Score	285
Exons	2307..2630, 2438..2626		

Seq. No.	31128	Seq. ID	OJ990619_44.9B05.C3
Gene No.	64450	Strand	-
Start	21926	End	26712
Name	OJ990619_44.9B05.C3.o2.ts	Method	TBLASTX:Soybean
Start	3252	End	3767
GI	5509260	Score	269
Exons	3252..3653, 3266..3367, 3392..3547, 3626..3754, 3627..3767		
GI Descrip.	-		

Seq. No.	31128	Seq. ID	OJ990619_44.9B05.C3
Gene No.	64450	Strand	-
Start	21926	End	26712
Name	OJ990619_44.9B05.C3.o13.tm	Method	TBLASTX:Maize
Start	3294	End	3563
GI	none	Score	212
Exons	3294..3563, 3305..3523, 3345..3527		

Seq. No.	31128	Seq. ID	OJ990619_44.9B05.C3
Gene No.	64450	Strand	-

Start	21926	End	26712
Name	OJ990619_44.9B05.C3.o2.tc	Method	TBLASTX:Cress
Start	3383	End	3653
GI	none	Score	276
Exons	3383..3634, 3384..3653		

Seq. No.	31128	Seq. ID	OJ990619_44.9B05.C3
Gene No.	64450	Strand	-
Start	21926	End	26712
Name	OJ990619_44.9B05.C3.o4.tw	Method	TBLASTX:Wheat
Start	3434	End	3944
GI	none	Score	186
Exons	3434..3553, 3435..3653, 3626..3694, 3627..3776, 3768..3944		

Seq. No.	31128	Seq. ID	OJ990619_44.9B05.C3
Gene No.	64450	Strand	-
Start	21926	End	26712
Name	OJ990619_44.9B05.C3.o5.tm	Method	TBLASTX:Maize
Start	3567	End	4004
GI	none	Score	79
Exons	3567..3653, 3587..3625, 3633..4004, 3647..3733, 3770..3874, 3917..3964		

Seq. No.	31128	Seq. ID	OJ990619_44.9B05.C3
Gene No.	64450	Strand	-
Start	21926	End	26712
Name	OJ990619_44.9B05.C3.o3.tc	Method	TBLASTX:Cress
Start	3831	End	4079
GI	none	Score	204
Exons	3831..4079		

Seq. No.	31128	Seq. ID	OJ990619_44.9B05.C3
Gene No.	64450	Strand	-
Start	21926	End	26712
Name	OJ990619_44.9B05.C3.o1.tw	Method	TBLASTX:Wheat
Start	3945	End	4382
GI	none	Score	439
Exons	3945..4382, 3950..4267, 4119..4274, 4295..4381		

Seq. No.	31128	Seq. ID	OJ990619_44.9B05.C3
Gene No.	64450	Strand	-
Start	21926	End	26712
Name	OJ990619_44.9B05.C3.o2.tm	Method	TBLASTX:Maize
Start	4137	End	4793
GI	none	Score	291
Exons	4137..4535, 4151..4483, 4571..4636, 4572..4793		

Seq. No.	31128	Seq. ID	OJ990619_44.9B05.C3
Gene No.	64450	Strand	-
Start	21926	End	26712
Name	OJ990619_44.9B05.C3.o1.ts	Method	TBLASTX:Soybean
Start	4146	End	4742
GI	none	Score	547
Exons	4146..4742, 4148..4273, 4334..4537, 4572..4661		

Seq. No.	31128	Seq. ID	OJ990619_44.9B05.C3
Gene No.	64450	Strand	-

Start	21926	End	26712
Name	OJ990619_44.9B05.C3.o9.tm	Method	TBLASTX:Maize
Start	7263	End	7702
GI	none	Score	250
Exons	7263..7451, 7265..7600, 7265..7612, 7601..7702		

Seq. No.	31128	Seq. ID	OJ990619_44.9B05.C3
Gene No.	64450	Strand	-
Start	21926	End	26712
Name	OJ990619_44.9B05.C3.o6.tm	Method	TBLASTX:Maize
Start	7856	End	8234
GI	none	Score	101
Exons	7856..7942, 7858..7938, 7949..8008, 7955..8008, 7956..8024, 8014..8202, 8017..8184, 8030..8230, 8031..8234, 8031..8234		

Seq. No.	31128	Seq. ID	OJ990619_44.9B05.C3
Gene No.	64450	Strand	-
Start	21926	End	26712
Name	OJ990619_44.9B05.C3.o8.tm	Method	TBLASTX:Maize
Start	8356	End	8789
GI	none	Score	84
Exons	8356..8457, 8379..8456, 8448..8789, 8501..8680		

Seq. No.	31128	Seq. ID	OJ990619_44.9B05.C3
Gene No.	64450	Strand	-
Start	21926	End	26712
Name	OJ990619_44.9B05.C3.o8.tw	Method	TBLASTX:Wheat
Start	8868	End	9203
GI	none	Score	85
Exons	8868..9020, 9021..9203		

Seq. No.	31128	Seq. ID	OJ990619_44.9B05.C3
Gene No.	64450	Strand	-
Start	21926	End	26712
Name	OJ990619_44.9B05.C3.o4.tm	Method	TBLASTX:Maize
Start	8949	End	9302
GI	none	Score	362
Exons	8949..9302, 8960..9289		

Seq. No.	31128	Seq. ID	OJ990619_44.9B05.C3
Gene No.	64450	Strand	-
Start	21926	End	26712
Name	OJ990619_44.9B05.C3.o9.tw	Method	TBLASTX:Wheat
Start	9210	End	9515
GI	none	Score	187
Exons	9210..9515, 9359..9505		

Seq. No.	31128	Seq. ID	OJ990619_44.9B05.C3
Gene No.	64450	Strand	-
Start	21926	End	26712
Name	OJ990619_44.9B05.C3.o1.tm	Method	TBLASTX:Maize
Start	9303	End	9989
GI	none	Score	465
Exons	9303..9989, 9353..9457, 9482..9640, 9716..9922		

Seq. No.	31128	Seq. ID	OJ990619_44.9B05.C3
Gene No.	64450	Strand	-

Start	21926	End	26712
Name	OJ990619_44.9B05.C3.o6.ts	Method	TBLASTX:Soybean
Start	9609	End	10148
GI	none	Score	163
Exons	9609..9959, 9791..9907, 10019..10096, 10020..10148		

Seq. No.	31128	Seq. ID	OJ990619_44.9B05.C3
Gene No.	64450	Strand	-
Start	21926	End	26712
Name	OJ990619_44.9B05.C3.o3.tw	Method	TBLASTX:Wheat
Start	9630	End	10070
GI	none	Score	256
Exons	9630..9926, 9632..9922, 9912..10070, 9933..10040		

Seq. No.	31128	Seq. ID	OJ990619_44.9B05.C3
Gene No.	64450	Strand	-
Start	21926	End	26712
Name	OJ990619_44.9B05.C3.o12.tm	Method	TBLASTX:Maize
Start	10001	End	10226
GI	none	Score	235
Exons	10001..10225, 10002..10226		

Seq. No.	31128	Seq. ID	OJ990619_44.9B05.C3
Gene No.	64450	Strand	-
Start	21926	End	26712
Name	OJ990619_44.9B05.C3.o7.tm	Method	TBLASTX:Maize
Start	10557	End	10843
GI	none	Score	319
Exons	10557..10757, 10559..10843, 10563..10838		

Seq. No.	31128	Seq. ID	OJ990619_44.9B05.C3
Gene No.	64450	Strand	-
Start	21926	End	26712
Name	OJ990619_44.9B05.C3.o10.tw	Method	TBLASTX:Wheat
Start	10568	End	10919
GI	none	Score	158
Exons	10568..10735, 10572..10757, 10872..10919		

Seq. No.	31128	Seq. ID	OJ990619_44.9B05.C3
Gene No.	64450	Strand	-
Start	21926	End	26712
Name	OJ990619_44.9B05.C3.o5.ts	Method	TBLASTX:Soybean
Start	11221	End	11680
GI	none	Score	119
Exons	11221..11385, 11408..11584, 11609..11680		

Seq. No.	31128	Seq. ID	OJ990619_44.9B05.C3
Gene No.	64450	Strand	-
Start	21926	End	26712
Name	OJ990619_44.9B05.C3.o15.tm	Method	TBLASTX:Maize
Start	16448	End	17149
GI	none	Score	50
Exons	16448..16480, 16571..16690, 16694..17032, 16753..16863, 16903..17010, 17088..17141, 17099..17149		

Seq. No.	31128	Seq. ID	OJ990619_44.9B05.C3
Gene No.	64450	Strand	-

Start	21926	End	26712
Name	OJ990619_44.9B05.C3.o14.tm	Method	TBLASTX:Maize
Start	17249	End	17626
GI	none	Score	84
Exons	17249..17380, 17255..17377, 17380..17541, 17381..17626, 17500..17610		

Seq. No.	31128	Seq. ID	OJ990619_44.9B05.C3
Gene No.	64450	Strand	-
Start	21926	End	26712
Name	OJ990619_44.9B05.C3.o3.gp	Method	AAT/GAP
Start	21926	End	26712
GI	LIB3477-003-P1-K1-E9	Score	128
Exons	21926..21982, 26669..26712		
GI Descrip.	'2498586/sp\|Q40638\|MPO1_ORYSA 2.0e-24 MAJOR POLLEN ALLERGEN ORY S 1 PRECURSOR (ORY S I) >gi_1173557 (U31771) Ory s 1 [Oryza sativa]'		

Seq. No.	31128	Seq. ID	OJ990619_44.9B05.C3
Gene No.	64450	Strand	-
Start	21926	End	26712
Name	OJ990619_44.9B05.C3.o4.gs	Method	GENSCAN
Start	22166	End	25863
GI	none	Score	.8
Exons	22166..22351, 22431..22529, 22624..22696, 22781..22891, 22988..23161, 23271..24367, 24442..25641, 25708..25863		

Seq. No.	31128	Seq. ID	OJ990619_44.9B05.C3
Gene No.	64450	Strand	-
Start	21926	End	26712
Name	OJ990619_44.9B05.C3.o5.np	Method	AAT/NAP
Start	22184	End	25878
GI	4680204	Score	1063
Exons	22184..22321, 22672..22891, 22988..23161, 23271..24367, 24442..25878		
GI Descrip.	(AF114171) hypothetical protein [Sorghum bicolor]		

Seq. No.	31128	Seq. ID	OJ990619_44.9B05.C3
Gene No.	64450	Strand	-
Start	21926	End	26712
Name	OJ990619_44.9B05.C3.o5.tw	Method	TBLASTX:Wheat
Start	24832	End	25235
GI	none	Score	84
Exons	24832..25002, 24965..25132, 24997..25233, 25084..25233, 25095..25235, 25125..25235		

Seq. No.	31129	Seq. ID	OJ990619_44.9B05.C4
Gene No.	64451	Strand	+
Start	5091	End	7611
Name	OJ990619_44.9B05.C4.o2.gs	Method	GENSCAN
Start	5091	End	7611
GI	none	Score	.69
Exons	5091..5299, 5405..5625, 5676..5898, 5907..6232, 7595..7611		

Seq. No.	31129	Seq. ID	OJ990619_44.9B05.C4
Gene No.	64451	Strand	+
Start	5091	End	7611

Name	OJ990619_44.9B05.C4.o1.gp	Method	AAT/GAP
Start	6354	End	6445
GI	2798689	Score	106
Exons	6354..6445		

Seq. No.	31129	Seq. ID	OJ990619_44.9B05.C4
Gene No.	64452	Strand	-
Start	44	End	4447
Name	OJ990619_44.9B05.C4.o1.gs	Method	GENSCAN
Start	44	End	4447
GI	none	Score	.9
Exons	44..112, 429..569, 958..1554, 2269..2429, 3852..3967, 4197..4447		

Seq. No.	31130	Seq. ID	OJ990619_44.9B05.C5
Gene No.	64453	Strand	+
Start	65	End	2823
Name	OJ990619_44.9B05.C5.o1.gs	Method	GENSCAN
Start	65	End	2823
GI	none	Score	.46
Exons	65..70, 1708..1853, 2769..2823		

Seq. No.	31130	Seq. ID	OJ990619_44.9B05.C5
Gene No.	64454	Strand	-
Start	5405	End	10505
Name	OJ990619_44.9B05.C5.o2.gs	Method	GENSCAN
Start	5405	End	10505
GI	none	Score	.72
Exons	5405..6310, 7198..7293, 7736..7873, 7941..8132, 9408..10505		

Seq. No.	31131	Seq. ID	OJ990619_44.9B05.C6
Gene No.	64455	Strand	+
Start	1870	End	8849
Name	OJ990619_44.9B05.C6.o2.np	Method	AAT/NAP
Start	1870	End	8020
GI	4680203	Score	978
Exons	1870..1988, 4143..4940, 7907..8020		
GI Descrip.	(AF114171) TNP2-like protein [Sorghum bicolor]		

Seq. No.	31131	Seq. ID	OJ990619_44.9B05.C6
Gene No.	64455	Strand	+
Start	1870	End	8849
Name	OJ990619_44.9B05.C6.o1.gp	Method	AAT/GAP
Start	3695	End	4282
GI	2310235	Score	300
Exons	3695..3732, 4143..4282		
GI Descrip.	5852182/emb\|CAB55420.1\| 9.0e-13 (AL117265) zhb0012.1 [Oryza sativa]		

Seq. No.	31131	Seq. ID	OJ990619_44.9B05.C6
Gene No.	64455	Strand	+
Start	1870	End	8849
Name	OJ990619_44.9B05.C6.o2.gp	Method	AAT/GAP
Start	4897	End	5190
GI	61605_3.R1084	Score	465
Exons	4897..5190		
GI Descrip.	'1402920/emb\|CAA66965\| 2.0e-20 (X98321) peroxidase [Arabidopsis thaliana]'		

Seq. No.	31131	Seq. ID	OJ990619_44.9B05.C6
Gene No.	64455	Strand	+
Start	1870	End	8849
Name	OJ990619_44.9B05.C6.o7.gp	Method	AAT/GAP
Start	5957	End	8849
GI	342_1.R1084	Score	1039
Exons	5957..6012, 8120..8224, 8334..8849		
GI Descrip.	'4574406/gb\|AAD24042.1\| 0.0e+00 (AF121139) RIM2 protein [Oryza sativa]'		

Seq. No.	31131	Seq. ID	OJ990619_44.9B05.C6
Gene No.	64455	Strand	+
Start	1870	End	8849
Name	OJ990619_44.9B05.C6.o6.gp	Method	AAT/GAP
Start	8126	End	8849
GI	342_1.R1084	Score	1036
Exons	8126..8224, 8334..8849		
GI Descrip.	'4574406/gb\|AAD24042.1\| 0.0e+00 (AF121139) RIM2 protein [Oryza sativa]'		

Seq. No.	31131	Seq. ID	OJ990619_44.9B05.C6
Gene No.	64455	Strand	+
Start	1870	End	8849
Name	OJ990619_44.9B05.C6.o8.gp	Method	AAT/GAP
Start	8127	End	8849
GI	342_1.R1084	Score	1042
Exons	8127..8224, 8334..8849		
GI Descrip.	'4574406/gb\|AAD24042.1\| 0.0e+00 (AF121139) RIM2 protein [Oryza sativa]'		

Seq. No.	31131	Seq. ID	OJ990619_44.9B05.C6
Gene No.	64456	Strand	-
Start	1	End	802
Name	OJ990619_44.9B05.C6.o1.np	Method	AAT/NAP
Start	1	End	802
GI	6862929	Score	68
Exons	1..83, 397..456, 499..802		
GI Descrip.	(AC018907) unknown protein [Arabidopsis thaliana]		

Seq. No.	31131	Seq. ID	OJ990619_44.9B05.C6
Gene No.	64457	Strand	-
Start	5718	End	6145
Name	OJ990619_44.9B05.C6.o4.gp	Method	AAT/GAP
Start	5718	End	6145
GI	2428185	Score	829
Exons	5718..6145		
GI Descrip.	5852170/emb\|AL117265.1\|OST17804 1.0e-177 Oryza sativa indica(GLA4) genomic DNA, chromosome 4, BAC clone:t17804		

Seq. No.	31131	Seq. ID	OJ990619_44.9B05.C6
Gene No.	64458	Strand	-
Start	6164	End	7053
Name	OJ990619_44.9B05.C6.o1.tw	Method	TBLASTX:Wheat
Start	4494	End	4845
GI	none	Score	103
Exons	4494..4601, 4584..4835, 4592..4834, 4594..4845		

Seq. No.	31131	Seq. ID	OJ990619_44.9B05.C6
Gene No.	64458	Strand	-
Start	6164	End	7053
Name	OJ990619_44.9B05.C6.o1.ts	Method	TBLASTX:Soybean
Start	4617	End	4907
GI	none	Score	238
Exons	4617..4835, 4625..4831, 4842..4907		

Seq. No.	31131	Seq. ID	OJ990619_44.9B05.C6
Gene No.	64458	Strand	-
Start	6164	End	7053
Name	OJ990619_44.9B05.C6.o5.gp	Method	AAT/GAP
Start	6164	End	7053
GI	101153_1.R1084	Score	998
Exons	6164..6391, 6709..7053		
GI Descrip.	'5852170/emb\|AL117265.1\|OST17804 1.0e-115 Oryza sativa indica(GLA4) genomic DNA, chromosome 4, BAC clone:t17804'		

Seq. No.	31132	Seq. ID	OJ990619_44.9B05.C8
Gene No.	64459	Strand	+
Start	125	End	222
Name	OJ990619_44.9B05.C8.o1.gs	Method	GENSCAN
Start	125	End	222
GI	none	Score	.49
Exons	125..222		

Seq. No.	31133	Seq. ID	OJ990619_44.9B05.C9
Gene No.	64460	Strand	+
Start	1250	End	2041
Name	OJ990619_44.9B05.C9.o1.gs	Method	GENSCAN
Start	1250	End	2041
GI	none	Score	.96
Exons	1250..2041		

Seq. No.	31133	Seq. ID	OJ990619_44.9B05.C9
Gene No.	64460	Strand	+
Start	1250	End	2041
Name	OJ990619_44.9B05.C9.o1.np	Method	AAT/NAP
Start	1250	End	2038
GI	4512231	Score	1257
Exons	1250..2038		
GI Descrip.	(AB014741) ORF0 protein [Oryza sativa]		

Seq. No.	31133	Seq. ID	OJ990619_44.9B05.C9
Gene No.	64461	Strand	+
Start	2311	End	9047
Name	OJ990619_44.9B05.C9.o2.np	Method	AAT/NAP
Start	2265	End	6720
GI	4680179	Score	5651
Exons	2265..6720		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	31133	Seq. ID	OJ990619 44.9B05.C9
Gene No.	64461	Strand	+
Start	2311	End	9047
Name	OJ990619_44.9B05.C9.o2.gs	Method	GENSCAN

Start	2311	End	8271
GI	none	Score	.6
Exons	2311..6662, 7054..7098, 7453..7705, 7759..7946, 8226..8271		

Seq. No.	31133	Seq. ID	OJ990619_44.9B05.C9
Gene No.	64461	Strand	+
Start	2311	End	9047
Name	OJ990619_44.9B05.C9.o3.np	Method	AAT/NAP
Start	7476	End	9047
GI	6063554	Score	148
Exons	7476..7660, 7759..7821, 8875..9047		
GI Descrip.	(AP000615) ESTs AU075609(C63344),C71850(E0464),C98611(E0464) correspond to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	31133	Seq. ID	OJ990619_44.9B05.C9
Gene No.	64462	Strand	+
Start	13812	End	17143
Name	OJ990619_44.9B05.C9.o4.gs	Method	GENSCAN
Start	13812	End	17143
GI	none	Score	.8
Exons	13812..14242, 15153..15315, 16066..16263, 16646..17143		

Seq. No.	31133	Seq. ID	OJ990619_44.9B05.C9
Gene No.	64462	Strand	+
Start	13812	End	17143
Name	OJ990619_44.9B05.C9.o6.np	Method	AAT/NAP
Start	14968	End	16865
GI	6539581	Score	718
Exons	14968..15315, 15649..16513, 16674..16865		
GI Descrip.	(AP000837) Similar to Arabidopsis thaliana DNA chromosome 4, BAC clone F20D10; hypothetical protein (AL035538) [Oryza sativa]		

Seq. No.	31133	Seq. ID	OJ990619_44.9B05.C9
Gene No.	64463	Strand	-
Start	5211	End	12897
Name	OJ990619_44.9B05.C9.o4.np	Method	AAT/NAP
Start	5211	End	10573
GI	4680179	Score	698
Exons	5211..5231, 9722..10573		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	31133	Seq. ID	OJ990619_44.9B05.C9
Gene No.	64463	Strand	-
Start	5211	End	12897
Name	OJ990619_44.9B05.C9.o3.gs	Method	GENSCAN
Start	9632	End	12773
GI	none	Score	.9
Exons	9632..10570, 10735..10826, 10967..11630, 12729..12773		

Seq. No.	31133	Seq. ID	OJ990619_44.9B05.C9
Gene No.	64463	Strand	-
Start	5211	End	12897
Name	OJ990619_44.9B05.C9.o5.np	Method	AAT/NAP
Start	9812	End	11628
GI	4512231	Score	146
Exons	9812..9841, 11061..11628		

GI Descrip. (AB014741) ORF0 protein [Oryza sativa]

Seq. No.	31133	Seq. ID	OJ990619_44.9B05.C9
Gene No.	64463	Strand	-
Start	5211	End	12897
Name	OJ990619_44.9B05.C9.o3.gp	Method	AAT/GAP
Start	12518	End	12897
GI	uC-osf1cyp033a04b1	Score	633
Exons	12518..12897		
GI Descrip.	'6016845/dbj\|AP000570.1\|AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		

Seq. No.	31133	Seq. ID	OJ990619_44.9B05.C9
Gene No.	64464	Strand	-
Start	17016	End	17212
Name	OJ990619_44.9B05.C9.o4.gp	Method	AAT/GAP
Start	17016	End	17212
GI	none	Score	324
Exons	17016..17212		

Seq. No.	31133	Seq. ID	OJ990619_44.9B05.C9
Gene No.	64465	Strand	-
Start	17710	End	19256
Name	OJ990619_44.9B05.C9.o11.tw	Method	TBLASTX:Wheat
Start	2472	End	10324
GI	none	Score	215
Exons	2472..2669, 2473..2670, 10125..10322, 10127..10324		

Seq. No.	31133	Seq. ID	OJ990619_44.9B05.C9
Gene No.	64465	Strand	-
Start	17710	End	19256
Name	OJ990619_44.9B05.C9.o7.tw	Method	TBLASTX:Wheat
Start	2721	End	10091
GI	none	Score	306
Exons	2721..2894, 2722..3072, 2870..2938, 9740..10090, 9897..10091		

Seq. No.	31133	Seq. ID	OJ990619_44.9B05.C9
Gene No.	64465	Strand	-
Start	17710	End	19256
Name	OJ990619_44.9B05.C9.o7.tm	Method	TBLASTX:Maize
Start	2722	End	10090
GI	none	Score	246
Exons	2722..3027, 9785..10090, 9960..10076		

Seq. No.	31133	Seq. ID	OJ990619_44.9B05.C9
Gene No.	64465	Strand	-
Start	17710	End	19256
Name	OJ990619_44.9B05.C9.o9.tw	Method	TBLASTX:Wheat
Start	3409	End	3750
GI	none	Score	248
Exons	3409..3750		

Seq. No.	31133	Seq. ID	OJ990619_44.9B05.C9
Gene No.	64465	Strand	-
Start	17710	End	19256
Name	OJ990619_44.9B05.C9.o8.tm	Method	TBLASTX:Maize
Start	3754	End	3947

GI	none	Score	190
Exons	3754..3945, 3792..3947		

Seq. No.	31133	Seq. ID	OJ990619_44.9B05.C9
Gene No.	64465	Strand	-
Start	17710	End	19256
Name	OJ990619_44.9B05.C9.o4.tw	Method	TBLASTX:Wheat
Start	3882	End	4365
GI	none	Score	535
Exons	3882..4322, 3883..4365, 3886..4362		

Seq. No.	31133	Seq. ID	OJ990619_44.9B05.C9
Gene No.	64465	Strand	-
Start	17710	End	19256
Name	OJ990619_44.9B05.C9.o5.ts	Method	TBLASTX:Soybean
Start	3919	End	4233
GI	none	Score	198
Exons	3919..4233		

Seq. No.	31133	Seq. ID	OJ990619_44.9B05.C9
Gene No.	64465	Strand	-
Start	17710	End	19256
Name	OJ990619_44.9B05.C9.o4.tm	Method	TBLASTX:Maize
Start	3948	End	4395
GI	none	Score	373
Exons	3948..4190, 3952..4395		

Seq. No.	31133	Seq. ID	OJ990619_44.9B05.C9
Gene No.	64465	Strand	-
Start	17710	End	19256
Name	OJ990619_44.9B05.C9.o1.ts	Method	TBLASTX:Soybean
Start	4306	End	4701
GI	none	Score	57
Exons	4306..4338, 4306..4338, 4342..4395, 4344..4385, 4345..4485, 4450..4701, 4458..4688		

Seq. No.	31133	Seq. ID	OJ990619_44.9B05.C9
Gene No.	64465	Strand	-
Start	17710	End	19256
Name	OJ990619_44.9B05.C9.o5.tw	Method	TBLASTX:Wheat
Start	4433	End	4716
GI	none	Score	57
Exons	4433..4507, 4453..4716, 4455..4715		

Seq. No.	31133	Seq. ID	OJ990619_44.9B05.C9
Gene No.	64465	Strand	-
Start	17710	End	19256
Name	OJ990619_44.9B05.C9.o5.tm	Method	TBLASTX:Maize
Start	4450	End	4782
GI	none	Score	308
Exons	4450..4782, 4503..4781		

Seq. No.	31133	Seq. ID	OJ990619_44.9B05.C9
Gene No.	64465	Strand	-
Start	17710	End	19256
Name	OJ990619_44.9B05.C9.o3.tw	Method	TBLASTX:Wheat
Start	4717	End	5142

GI	none	Score	596
Exons	4717..5142, 4719..5135, 4792..5142		

Seq. No.	31133	Seq. ID	OJ990619_44.9B05.C9
Gene No.	64465	Strand	-
Start	17710	End	19256
Name	OJ990619_44.9B05.C9.o4.ts	Method	TBLASTX:Soybean
Start	4723	End	4971
GI	none	Score	210
Exons	4723..4971		

Seq. No.	31133	Seq. ID	OJ990619_44.9B05.C9
Gene No.	64465	Strand	-
Start	17710	End	19256
Name	OJ990619_44.9B05.C9.o2.tm	Method	TBLASTX:Maize
Start	4789	End	5142
GI	none	Score	467
Exons	4789..5142, 4794..5135		

Seq. No.	31133	Seq. ID	OJ990619_44.9B05.C9
Gene No.	64465	Strand	-
Start	17710	End	19256
Name	OJ990619_44.9B05.C9.o2.tw	Method	TBLASTX:Wheat
Start	5170	End	5709
GI	none	Score	626
Exons	5170..5709, 5352..5705, 5428..5709		

Seq. No.	31133	Seq. ID	OJ990619_44.9B05.C9
Gene No.	64465	Strand	-
Start	17710	End	19256
Name	OJ990619_44.9B05.C9.o1.tc	Method	TBLASTX:Cress
Start	5407	End	5733
GI	none	Score	90
Exons	5407..5589, 5590..5733, 5592..5732		

Seq. No.	31133	Seq. ID	OJ990619_44.9B05.C9
Gene No.	64465	Strand	-
Start	17710	End	19256
Name	OJ990619_44.9B05.C9.o2.ts	Method	TBLASTX:Soybean
Start	5497	End	5757
GI	none	Score	301
Exons	5497..5757, 5508..5756, 5509..5757		

Seq. No.	31133	Seq. ID	OJ990619_44.9B05.C9
Gene No.	64465	Strand	-
Start	17710	End	19256
Name	OJ990619_44.9B05.C9.o3.tm	Method	TBLASTX:Maize
Start	5556	End	5847
GI	none	Score	167
Exons	5556..5843, 5556..5843, 5557..5847, 5689..5844		

Seq. No.	31133	Seq. ID	OJ990619_44.9B05.C9
Gene No.	64465	Strand	-
Start	17710	End	19256
Name	OJ990619_44.9B05.C9.o1.tw	Method	TBLASTX:Wheat
Start	5716	End	6342
GI	none	Score	723

Exons	5716..6342, 5772..6224, 6282..6341		
Seq. No.	31133	Seq. ID	OJ990619_44.9B05.C9
Gene No.	64465	Strand	-
Start	17710	End	19256
Name	OJ990619_44.9B05.C9.o1.tm	Method	TBLASTX:Maize
Start	5895	End	6480
GI	none	Score	229
Exons	5895..6050, 5896..6057, 5916..6059, 6054..6227, 6055..6480, 6214..6459, 6282..6479		
Seq. No.	31133	Seq. ID	OJ990619_44.9B05.C9
Gene No.	64465	Strand	-
Start	17710	End	19256
Name	OJ990619_44.9B05.C9.o6.tw	Method	TBLASTX:Wheat
Start	6342	End	6675
GI	none	Score	312
Exons	6342..6623, 6343..6675, 6508..6654		
Seq. No.	31133	Seq. ID	OJ990619_44.9B05.C9
Gene No.	64465	Strand	-
Start	17710	End	19256
Name	OJ990619_44.9B05.C9.o8.tw	Method	TBLASTX:Wheat
Start	15057	End	15282
GI	none	Score	263
Exons	15057..15281, 15058..15282, 15058..15282		
Seq. No.	31133	Seq. ID	OJ990619_44.9B05.C9
Gene No.	64465	Strand	-
Start	17710	End	19256
Name	OJ990619_44.9B05.C9.o3.ts	Method	TBLASTX:Soybean
Start	15174	End	16086
GI	none	Score	137
Exons	15174..15302, 15175..15312, 15175..15306, 15643..16086, 15643..15951, 16021..16044		
Seq. No.	31133	Seq. ID	OJ990619_44.9B05.C9
Gene No.	64465	Strand	-
Start	17710	End	19256
Name	OJ990619_44.9B05.C9.o6.tm	Method	TBLASTX:Maize
Start	15217	End	16152
GI	none	Score	67
Exons	15217..15312, 15643..15876, 15651..15857, 15913..16152		
Seq. No.	31133	Seq. ID	OJ990619_44.9B05.C9
Gene No.	64465	Strand	-
Start	17710	End	19256
Name	OJ990619_44.9B05.C9.o10.tw	Method	TBLASTX:Wheat
Start	15676	End	16113
GI	none	Score	158
Exons	15676..15858, 15895..16113		
Seq. No.	31133	Seq. ID	OJ990619_44.9B05.C9
Gene No.	64465	Strand	-
Start	17710	End	19256
Name	OJ990619_44.9B05.C9.o5.gs	Method	GENSCAN
Start	17710	End	19256

GI	none	Score	.73
Exons	17710..17928, 18175..18264, 18999..19256		

Seq. No.	31134	Seq. ID	OJ990619_44.9B05.C10
Gene No.	64466	Strand	-
Start	411	End	1732
Name	OJ990619_44.9B05.C10.o1.np	Method	AAT/NAP
Start	411	End	1732
GI	4680179	Score	1877
Exons	411..1732		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	31134	Seq. ID	OJ990619_44.9B05.C10
Gene No.	64467	Strand	-
Start	2308	End	2818
Name	OJ990619_44.9B05.C10.o3.tw	Method	TBLASTX:Wheat
Start	456	End	789
GI	none	Score	93
Exons	456..788, 477..785, 520..789		

Seq. No.	31134	Seq. ID	OJ990619_44.9B05.C10
Gene No.	64467	Strand	-
Start	2308	End	2818
Name	OJ990619_44.9B05.C10.o1.tm	Method	TBLASTX:Maize
Start	636	End	1235
GI	none	Score	130
Exons	636..1076, 651..914, 652..1074, 1026..1076, 1074..1235, 1081..1227, 1190..1231		

Seq. No.	31134	Seq. ID	OJ990619_44.9B05.C10
Gene No.	64467	Strand	-
Start	2308	End	2818
Name	OJ990619_44.9B05.C10.o1.tw	Method	TBLASTX:Wheat
Start	789	End	1415
GI	none	Score	47
Exons	789..1415, 792..914, 901..1359		

Seq. No.	31134	Seq. ID	OJ990619_44.9B05.C10
Gene No.	64467	Strand	-
Start	2308	End	2818
Name	OJ990619_44.9B05.C10.o2.tm	Method	TBLASTX:Maize
Start	1284	End	1575
GI	none	Score	215
Exons	1284..1574, 1288..1575		

Seq. No.	31134	Seq. ID	OJ990619_44.9B05.C10
Gene No.	64467	Strand	-
Start	2308	End	2818
Name	OJ990619_44.9B05.C10.o1.ts	Method	TBLASTX:Soybean
Start	1373	End	1634
GI	none	Score	97
Exons	1373..1504, 1374..1577, 1374..1634, 1375..1629		

Seq. No.	31134	Seq. ID	OJ990619_44.9B05.C10
Gene No.	64467	Strand	-
Start	2308	End	2818
Name	OJ990619_44.9B05.C10.o1.tc	Method	TBLASTX:Cress

Start	1398	End	1715
GI	none	Score	84
Exons	1398..1538, 1399..1539, 1542..1715		

Seq. No.	31134	Seq. ID	OJ990619_44.9B05.C10
Gene No.	64467	Strand	-
Start	2308	End	2818
Name	OJ990619_44.9B05.C10.o2.tw	Method	TBLASTX:Wheat
Start	1422	End	1742
GI	none	Score	240
Exons	1422..1736, 1423..1680, 1428..1742		

Seq. No.	31134	Seq. ID	OJ990619_44.9B05.C10
Gene No.	64467	Strand	-
Start	2308	End	2818
Name	OJ990619_44.9B05.C10.o1.gp	Method	AAT/GAP
Start	2308	End	2818
GI	LIB3434-038-P1-K1-F1	Score	743
Exons	2308..2818		
GI Descrip.	'5257255/dbj\|AP000364.1\|AP000364 0.0e+00 Oryza sativa genomic DNA, chromosome 8, clone:P0026F07'		

Seq. No.	31135	Seq. ID	OJ990619_44.9B05.C11
Gene No.	64468	Strand	-
Start	1	End	3430
Name	OJ990619_44.9B05.C11.o1.np	Method	AAT/NAP
Start	1	End	3430
GI	4680179	Score	2650
Exons	1..96, 678..2880, 2914..3041, 3410..3430		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	31135	Seq. ID	OJ990619_44.9B05.C11
Gene No.	64468	Strand	-
Start	1	End	3430
Name	OJ990619_44.9B05.C11.o1.gs	Method	GENSCAN
Start	790	End	3131
GI	none	Score	.51
Exons	790..1590, 1599..1757, 1815..2115, 2206..3131		

Seq. No.	31135	Seq. ID	OJ990619_44.9B05.C11
Gene No.	64468	Strand	-
Start	1	End	3430
Name	OJ990619_44.9B05.C11.o1.tw	Method	TBLASTX:Wheat
Start	976	End	1479
GI	none	Score	227
Exons	976..1479, 1054..1416, 1058..1447		

Seq. No.	31135	Seq. ID	OJ990619_44.9B05.C11
Gene No.	64468	Strand	-
Start	1	End	3430
Name	OJ990619_44.9B05.C11.o1.tm	Method	TBLASTX:Maize
Start	1045	End	1408
GI	none	Score	169
Exons	1045..1407, 1054..1407, 1058..1408		

Seq. No.	31135	Seq. ID	OJ990619_44.9B05.C11
Gene No.	64468	Strand	-

Start	1	End	3430
Name	OJ990619_44.9B05.C11.o2.ts	Method	TBLASTX:Soybean
Start	1228	End	1473
GI	none	Score	98
Exons	1228..1473, 1229..1456		

Seq. No.	31135	Seq. ID	OJ990619_44.9B05.C11
Gene No.	64468	Strand	-
Start	1	End	3430
Name	OJ990619_44.9B05.C11.o2.tm	Method	TBLASTX:Maize
Start	1444	End	1943
GI	none	Score	69
Exons	1444..1527, 1527..1757, 1764..1943, 1816..1935		

Seq. No.	31135	Seq. ID	OJ990619_44.9B05.C11
Gene No.	64468	Strand	-
Start	1	End	3430
Name	OJ990619_44.9B05.C11.o3.tw	Method	TBLASTX:Wheat
Start	1480	End	1781
GI	none	Score	214
Exons	1480..1527, 1527..1781, 1528..1770, 1545..1778, 1721..1780		

Seq. No.	31135	Seq. ID	OJ990619_44.9B05.C11
Gene No.	64468	Strand	-
Start	1	End	3430
Name	OJ990619_44.9B05.C11.o1.ts	Method	TBLASTX:Soybean
Start	1507	End	1889
GI	none	Score	168
Exons	1507..1770, 1527..1853, 1542..1853, 1857..1889, 1858..1887		

Seq. No.	31135	Seq. ID	OJ990619_44.9B05.C11
Gene No.	64468	Strand	-
Start	1	End	3430
Name	OJ990619_44.9B05.C11.o2.tw	Method	TBLASTX:Wheat
Start	1830	End	2316
GI	none	Score	266
Exons	1830..2207, 1873..2316, 1927..2238		

Seq. No.	31135	Seq. ID	OJ990619_44.9B05.C11
Gene No.	64468	Strand	-
Start	1	End	3430
Name	OJ990619_44.9B05.C11.o3.tm	Method	TBLASTX:Maize
Start	2011	End	2301
GI	none	Score	201
Exons	2011..2301, 2013..2300		

Seq. No.	31135	Seq. ID	OJ990619_44.9B05.C11
Gene No.	64468	Strand	-
Start	1	End	3430
Name	OJ990619_44.9B05.C11.o4.tw	Method	TBLASTX:Wheat
Start	2481	End	2849
GI	none	Score	65
Exons	2481..2594, 2482..2595, 2640..2849, 2707..2793		

Seq. No.	31135	Seq. ID	OJ990619_44.9B05.C11
Gene No.	64468	Strand	-
Start	1	End	3430

Name	OJ990619_44.9B05.C11.o4.tm	Method	TBLASTX:Maize
Start	2532	End	2882
GI	none	Score	191
Exons	2532..2882		

Seq. No.	31136	Seq. ID	OJ990619_44.9B05.C12
Gene No.	64469	Strand	+
Start	4866	End	5410
Name	OJ990619_44.9B05.C12.o1.gs	Method	GENSCAN
Start	4866	End	5410
GI	none	Score	.56
Exons	4866..5032, 5050..5410		

Seq. No.	31136	Seq. ID	OJ990619_44.9B05.C12
Gene No.	64470	Strand	+
Start	10194	End	10986
Name	OJ990619_44.9B05.C12.o3.gs	Method	GENSCAN
Start	10194	End	10986
GI	none	Score	.74
Exons	10194..10247, 10620..10729, 10842..10986		

Seq. No.	31136	Seq. ID	OJ990619_44.9B05.C12
Gene No.	64471	Strand	-
Start	5787	End	11001
Name	OJ990619_44.9B05.C12.o1.np	Method	AAT/NAP
Start	5787	End	10213
GI	2943742	Score	613
Exons	5787..5821, 8744..10213		
GI Descrip.	(AB002266) XA1 [Oryza sativa]		

Seq. No.	31136	Seq. ID	OJ990619_44.9B05.C12
Gene No.	64471	Strand	-
Start	5787	End	11001
Name	OJ990619_44.9B05.C12.o2.gs	Method	GENSCAN
Start	6614	End	8942
GI	none	Score	.73
Exons	6614..6724, 7210..7448, 7898..8942		

Seq. No.	31136	Seq. ID	OJ990619_44.9B05.C12
Gene No.	64471	Strand	-
Start	5787	End	11001
Name	OJ990619_44.9B05.C12.o1.tm	Method	TBLASTX:Maize
Start	7606	End	8234
GI	none	Score	69
Exons	7606..7710, 7625..7681, 7626..7712, 7717..7965, 7722..8111, 8208..8234		

Seq. No.	31136	Seq. ID	OJ990619_44.9B05.C12
Gene No.	64471	Strand	-
Start	5787	End	11001
Name	OJ990619_44.9B05.C12.o1.ts	Method	TBLASTX:Soybean
Start	8746	End	9872
GI	none	Score	97
Exons	8746..8895, 9564..9872, 9565..9870		

Seq. No.	31136	Seq. ID	OJ990619_44.9B05.C12
Gene No.	64471	Strand	-

Start	5787	End	11001
Name	OJ990619_44.9B05.C12.o2.np	Method	AAT/NAP
Start	9351	End	11001
GI	2792210	Score	425
Exons	9351..10210, 10948..11001		
GI Descrip.	(AF032683) NBS-LRR type resistance protein [Hordeum vulgare]		

Seq. No.	31136	Seq. ID	OJ990619_44.9B05.C12
Gene No.	64471	Strand	-
Start	5787	End	11001
Name	OJ990619_44.9B05.C12.o2.tm	Method	TBLASTX:Maize
Start	9444	End	9894
GI	none	Score	64
Exons	9444..9488, 9522..9893, 9769..9894		

Seq. No.	31136	Seq. ID	OJ990619_44.9B05.C12
Gene No.	64471	Strand	-
Start	5787	End	11001
Name	OJ990619_44.9B05.C12.o3.tm	Method	TBLASTX:Maize
Start	10020	End	10175
GI	none	Score	151
Exons	10020..10175, 10026..10175		

Seq. No.	31137	Seq. ID	OJ990519_29.9B05.C1
Gene No.	64472	Strand	+
Start	1	End	3033
Name	OJ990519_29.9B05.C1.o1.np	Method	AAT/NAP
Start	1	End	3030
GI	6498441	Score	3831
Exons	1..23, 171..597, 790..1086, 1258..2655, 2749..3030		
GI Descrip.	(AP000815) EST C72786(E2258) corresponds to a region of the predicted gene.; Similar to Sorghum bicolor Gypsy-Ty3 type retrotransposon RetroSor1. (AF098806) [Oryza sativa]		

Seq. No.	31137	Seq. ID	OJ990519_29.9B05.C1
Gene No.	64472	Strand	+
Start	1	End	3033
Name	OJ990519_29.9B05.C1.o1.gs	Method	GENSCAN
Start	53	End	3033
GI	none	Score	.41
Exons	53..1540, 1829..2704, 2720..3033		

Seq. No.	31137	Seq. ID	OJ990519_29.9B05.C1
Gene No.	64473	Strand	+
Start	24580	End	27108
Name	OJ990519_29.9B05.C1.o5.np	Method	AAT/NAP
Start	24111	End	27105
GI	5830787	Score	714
Exons	24111..24281, 24523..24717, 24828..24976, 25061..25223, 25781..25873, 26781..26920, 27009..27105		
GI Descrip.	(AL117188) ankyrin repeat-containing protein 2 [Arabidopsis thaliana]		

Seq. No.	31137	Seq. ID	OJ990519_29.9B05.C1
Gene No.	64473	Strand	+
Start	24580	End	27108
Name	OJ990519_29.9B05.C1.o8.gs	Method	GENSCAN

Start	24580	End	27108
GI	none	Score	.83
Exons	24580..24717, 24828..24976, 25061..25223, 26781..26920, 27009..27108		

Seq. No.	31137	Seq. ID	OJ990519_29.9B05.C1
Gene No.	64474	Strand	+
Start	30418	End	38370
Name	OJ990519_29.9B05.C1.o10.gs	Method	GENSCAN
Start	30418	End	33873
GI	none	Score	.75
Exons	30418..31488, 32045..32824, 33802..33873		

Seq. No.	31137	Seq. ID	OJ990519_29.9B05.C1
Gene No.	64474	Strand	+
Start	30418	End	38370
Name	OJ990519_29.9B05.C1.o6.np	Method	AAT/NAP
Start	30418	End	38370
GI	6172381	Score	1939
Exons	30418..31150, 31190..31488, 32063..32855, 36240..38034, 38286..38370		
GI Descrip.	(AB026839) Pi-b protein [Oryza sativa]		

Seq. No.	31137	Seq. ID	OJ990519_29.9B05.C1
Gene No.	64474	Strand	+
Start	30418	End	38370
Name	OJ990519_29.9B05.C1.o11.gs	Method	GENSCAN
Start	36630	End	38045
GI	none	Score	.82
Exons	36630..38045		

Seq. No.	31137	Seq. ID	OJ990519_29.9B05.C1
Gene No.	64475	Strand	-
Start	3661	End	8371
Name	OJ990519_29.9B05.C1.o2.gs	Method	GENSCAN
Start	3661	End	6801
GI	none	Score	.69
Exons	3661..4458, 4521..5445, 5540..6801		

Seq. No.	31137	Seq. ID	OJ990519_29.9B05.C1
Gene No.	64475	Strand	-
Start	3661	End	8371
Name	OJ990519_29.9B05.C1.o2.np	Method	AAT/NAP
Start	3664	End	6801
GI	6907089	Score	4674
Exons	3664..5445, 5540..6801		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		

Seq. No.	31137	Seq. ID	OJ990519_29.9B05.C1
Gene No.	64475	Strand	-
Start	3661	End	8371
Name	OJ990519_29.9B05.C1.o3.np	Method	AAT/NAP
Start	5882	End	8371
GI	5922623	Score	204
Exons	5882..5972, 7507..7583, 7751..7903, 8286..8371		
GI Descrip.	(AP000492) hypothetical protein [Oryza sativa] gi\|6016856\|dbj\|BAA85199.1\| (AP000570) hypothetical protein		

[Oryza sativa]

Seq. No.	31137	Seq. ID	OJ990519_29.9B05.C1
Gene No.	64476	Strand	-
Start	8316	End	19752
Name	OJ990519_29.9B05.C1.o4.np	Method	AAT/NAP
Start	8316	End	18802
GI	6172381	Score	2389
Exons	8316..8353, 9739..9976, 10005..11566, 15231..15896, 17732..18045, 18085..18802		
GI Descrip.	(AB026839) Pi-b protein [Oryza sativa]		

Seq. No.	31137	Seq. ID	OJ990519_29.9B05.C1
Gene No.	64476	Strand	-
Start	8316	End	19752
Name	OJ990519_29.9B05.C1.o4.gs	Method	GENSCAN
Start	9632	End	11380
GI	none	Score	.4
Exons	9632..11380		

Seq. No.	31137	Seq. ID	OJ990519_29.9B05.C1
Gene No.	64476	Strand	-
Start	8316	End	19752
Name	OJ990519_29.9B05.C1.o5.gs	Method	GENSCAN
Start	13619	End	19752
GI	none	Score	.45
Exons	13619..13696, 15231..15501, 16982..17007, 17987..18899, 19670..19752		

Seq. No.	31137	Seq. ID	OJ990519_29.9B05.C1
Gene No.	64477	Strand	-
Start	27757	End	29325
Name	OJ990519_29.9B05.C1.o9.gs	Method	GENSCAN
Start	27757	End	29325
GI	none	Score	.43
Exons	27757..27885, 27899..27945, 27985..28033, 28327..28417, 28611..28772, 29213..29325		

Seq. No.	31137	Seq. ID	OJ990519_29.9B05.C1
Gene No.	64478	Strand	-
Start	38027	End	38234
Name	OJ990519_29.9B05.C1.o1.gp	Method	AAT/GAP
Start	38027	End	38234
GI	uC-osf1M202058d12a1	Score	396
Exons	38027..38234		
GI Descrip.	'1420932/gb\|U61383\|ORU61383 7.0e-21 Oryza rufipogon 4-coumarate-CoA ligase gene, intron 1, partial sequence'		

Seq. No.	31137	Seq. ID	OJ990519_29.9B05.C1
Gene No.	64479	Strand	-
Start	38844	End	42818
Name	OJ990519_29.9B05.C1.o3.tw	Method	TBLASTX:Wheat
Start	21	End	308
GI	none	Score	329
Exons	21..308, 22..303		

Seq. No.	31137	Seq. ID	OJ990519_29.9B05.C1

Gene No.	64479	Strand	-
Start	38844	End	42818
Name	OJ990519_29.9B05.C1.o4.ts	Method	TBLASTX:Soybean
Start	22	End	333
GI	none	Score	202
Exons	22..333		

Seq. No.	31137	Seq. ID	OJ990519_29.9B05.C1
Gene No.	64479	Strand	-
Start	38844	End	42818
Name	OJ990519_29.9B05.C1.o4.tm	Method	TBLASTX:Maize
Start	27	End	387
GI	none	Score	233
Exons	27..284, 31..285, 304..387, 306..386		

Seq. No.	31137	Seq. ID	OJ990519_29.9B05.C1
Gene No.	64479	Strand	-
Start	38844	End	42818
Name	OJ990519_29.9B05.C1.o2.tw	Method	TBLASTX:Wheat
Start	934	End	1392
GI	none	Score	237
Exons	934..1188, 958..1209, 1023..1208, 1243..1392, 1254..1391		

Seq. No.	31137	Seq. ID	OJ990519_29.9B05.C1
Gene No.	64479	Strand	-
Start	38844	End	42818
Name	OJ990519_29.9B05.C1.o3.ts	Method	TBLASTX:Soybean
Start	1081	End	1647
GI	5666795	Score	68
Exons	1081..1179, 1255..1392, 1447..1647		
GI Descrip.	4206306 2.0e-10 (AF049110) prpol [Zea mays]		

Seq. No.	31137	Seq. ID	OJ990519_29.9B05.C1
Gene No.	64479	Strand	-
Start	38844	End	42818
Name	OJ990519_29.9B05.C1.o9.tw	Method	TBLASTX:Wheat
Start	1395	End	1707
GI	none	Score	189
Exons	1395..1571, 1447..1707		

Seq. No.	31137	Seq. ID	OJ990519_29.9B05.C1
Gene No.	64479	Strand	-
Start	38844	End	42818
Name	OJ990519_29.9B05.C1.o1.tm	Method	TBLASTX:Maize
Start	1900	End	2223
GI	none	Score	357
Exons	1900..2223, 1929..2210		

Seq. No.	31137	Seq. ID	OJ990519_29.9B05.C1
Gene No.	64479	Strand	-
Start	38844	End	42818
Name	OJ990519_29.9B05.C1.o1.tw	Method	TBLASTX:Wheat
Start	2037	End	2418
GI	none	Score	368
Exons	2037..2093, 2038..2418, 2041..2379, 2139..2387		

Seq. No.	31137	Seq. ID	OJ990519_29.9B05.C1

Gene No.	64479	Strand	-
Start	38844	End	42818
Name	OJ990519_29.9B05.C1.o6.tw	Method	TBLASTX:Wheat
Start	2419	End	3021
GI	none	Score	264
Exons	2419..2703, 2424..2702, 2895..3017, 2896..3021		

Seq. No.	31137	Seq. ID	OJ990519_29.9B05.C1
Gene No.	64479	Strand	-
Start	38844	End	42818
Name	OJ990519_29.9B05.C1.o5.tm	Method	TBLASTX:Maize
Start	2890	End	3033
GI	none	Score	187
Exons	2890..3033, 2895..3029		

Seq. No.	31137	Seq. ID	OJ990519_29.9B05.C1
Gene No.	64479	Strand	-
Start	38844	End	42818
Name	OJ990519_29.9B05.C1.o7.tw	Method	TBLASTX:Wheat
Start	6614	End	37154
GI	none	Score	57
Exons	6614..6676, 6615..6683, 10602..10778, 10613..10795, 10829..10900, 10860..10901, 36870..36944, 36870..36944, 36871..36945, 36975..37154		

Seq. No.	31137	Seq. ID	OJ990519_29.9B05.C1
Gene No.	64479	Strand	-
Start	38844	End	42818
Name	OJ990519_29.9B05.C1.o1.ts	Method	TBLASTX:Soybean
Start	10067	End	37673
GI	none	Score	102
Exons	10067..10165, 10580..10744, 10892..10933, 10967..11110, 11168..11503, 11226..11504, 17738..17911, 32660..32749, 36251..36499, 36492..36566, 36585..36725, 36822..36881, 37026..37145, 37377..37502, 37566..37673		

Seq. No.	31137	Seq. ID	OJ990519_29.9B05.C1
Gene No.	64479	Strand	-
Start	38844	End	42818
Name	OJ990519_29.9B05.C1.o3.tm	Method	TBLASTX:Maize
Start	10628	End	37142
GI	none	Score	34
Exons	10628..10777, 10664..10765, 10781..10933, 10829..10912, 10933..11046, 10949..11044, 36702..36821, 36840..36986, 36993..37142		

Seq. No.	31137	Seq. ID	OJ990519_29.9B05.C1
Gene No.	64479	Strand	-
Start	38844	End	42818
Name	OJ990519_29.9B05.C1.o8.tw	Method	TBLASTX:Wheat
Start	11232	End	36499
GI	none	Score	129
Exons	11232..11510, 11237..11530, 36248..36499		

Seq. No.	31137	Seq. ID	OJ990519_29.9B05.C1
Gene No.	64479	Strand	-
Start	38844	End	42818

Name	OJ990519_29.9B05.C1.o1.tc	Method	TBLASTX:Cress
Start	24141	End	27122
GI	none	Score	73
Exons	24141..24281, 24510..24578, 24511..24573, 24637..24750, 24637..24741, 24819..24977, 24821..24979, 25059..25109, 25062..25106, 25185..25223, 25201..25224, 25781..25876, 26778..26921, 26778..26912, 26780..26920, 26802..26921, 27009..27107, 27009..27122, 27010..27120		

Seq. No.	31137	Seq. ID	OJ990519_29.9B05.C1
Gene No.	64479	Strand	-
Start	38844	End	42818
Name	OJ990519_29.9B05.C1.o2.tm	Method	TBLASTX:Maize
Start	24164	End	27111
GI	none	Score	81
Exons	24164..24235, 24242..24283, 24511..24573, 24517..24591, 24525..24581, 24636..24731, 24637..24765, 24637..24717, 24638..24718, 24639..24722, 24813..24977, 24813..24980, 24827..24979, 25046..25108, 25059..25109, 25110..25223, 25127..25225, 25168..25224, 25779..25865, 25781..25876, 25796..25873, 26773..26919, 26778..26921, 26780..26920, 26802..26921, 26834..26926, 27009..27110, 27010..27111		

Seq. No.	31137	Seq. ID	OJ990519_29.9B05.C1
Gene No.	64479	Strand	-
Start	38844	End	42818
Name	OJ990519_29.9B05.C1.o2.ts	Method	TBLASTX:Soybean
Start	24508	End	27111
GI	none	Score	78
Exons	24508..24573, 24522..24581, 24637..24750, 24645..24746, 24813..24977, 24813..24974, 24827..24979, 25059..25109, 25174..25224, 25185..25223, 25781..25876, 26778..26921, 26778..26912, 26783..26920, 26802..26921, 26974..27111, 27009..27107		

Seq. No.	31137	Seq. ID	OJ990519_29.9B05.C1
Gene No.	64479	Strand	-
Start	38844	End	42818
Name	OJ990519_29.9B05.C1.o5.tw	Method	TBLASTX:Wheat
Start	24676	End	25225
GI	none	Score	124
Exons	24676..24717, 24822..24980, 24826..24960, 24828..24977, 25015..25107, 25055..25108, 25059..25109, 25110..25223, 25127..25225, 25130..25222, 25168..25224		

Seq. No.	31137	Seq. ID	OJ990519_29.9B05.C1
Gene No.	64479	Strand	-
Start	38844	End	42818
Name	OJ990519_29.9B05.C1.o4.tw	Method	TBLASTX:Wheat
Start	26770	End	27119
GI	none	Score	215
Exons	26770..26919, 26778..26921, 26780..26920, 26831..26926, 26859..26921, 27009..27119, 27010..27111		

Seq. No.	31137	Seq. ID	OJ990519_29.9B05.C1
Gene No.	64479	Strand	-
Start	38844	End	42818

Name	OJ990519_29.9B05.C1.o12.gs	Method	GENSCAN
Start	38844	End	40500
GI	none	Score	.55
Exons	38844..38924, 39033..39098, 39364..39495, 39844..39980, 40275..40500		

Seq. No.	31137	Seq. ID	OJ990519_29.9B05.C1
Gene No.	64479	Strand	-
Start	38844	End	42818
Name	OJ990519_29.9B05.C1.o7.np	Method	AAT/NAP
Start	40182	End	41459
GI	5734635	Score	827
Exons	40182..40733, 40763..40928, 41065..41297, 41350..41459		
GI Descrip.	(AP000391) hypothetical protein [Oryza sativa]		

Seq. No.	31137	Seq. ID	OJ990519_29.9B05.C1
Gene No.	64479	Strand	-
Start	38844	End	42818
Name	OJ990519_29.9B05.C1.o13.gs	Method	GENSCAN
Start	41280	End	42818
GI	none	Score	.56
Exons	41280..41504, 42368..42442, 42753..42818		

Seq. No.	31138	Seq. ID	OJ990519_29.9B05.C2
Gene No.	64480	Strand	+
Start	1281	End	3106
Name	OJ990519_29.9B05.C2.o1.gs	Method	GENSCAN
Start	1281	End	3106
GI	none	Score	.43
Exons	1281..1335, 3033..3106		

Seq. No.	31138	Seq. ID	OJ990519_29.9B05.C2
Gene No.	64481	Strand	+
Start	5653	End	6140
Name	OJ990519_29.9B05.C2.o3.np	Method	AAT/NAP
Start	5653	End	6140
GI	6069646	Score	136
Exons	5653..6140		
GI Descrip.	(AP000616) similar to putative reverse transcriptase (AC005315) [Oryza sativa] gi\|6907112\|dbj\|BAA90639.1\| (AP001129) Similar to Arabidopsis thaliana chromosome II BAC F9O13 genomic sequence, putative non-LTR retroelement reverse transcriptase. (AC006248) [Oryza sativa]		

Seq. No.	31138	Seq. ID	OJ990519_29.9B05.C2
Gene No.	64482	Strand	+
Start	11605	End	12084
Name	OJ990519_29.9B05.C2.o6.np	Method	AAT/NAP
Start	11605	End	12084
GI	6539570	Score	175
Exons	11605..11799, 12018..12084		
GI Descrip.	(AP000836) hypothetical protein [Oryza sativa]		

Seq. No.	31138	Seq. ID	OJ990519_29.9B05.C2
Gene No.	64483	Strand	+
Start	14286	End	16857
Name	OJ990519_29.9B05.C2.o6.gs	Method	GENSCAN

Start	14286	End	16547
GI	none	Score	.95
Exons	14286..15353, 16412..16547		

Seq. No.	31138	Seq. ID	OJ990519_29.9B05.C2
Gene No.	64483	Strand	+
Start	14286	End	16857
Name	OJ990519_29.9B05.C2.o7.np	Method	AAT/NAP
Start	14286	End	16857
GI	6172381	Score	681
Exons	14286..15012, 15052..15390, 16353..16857		
GI Descrip.	(AB026839) Pi-b protein [Oryza sativa]		

Seq. No.	31138	Seq. ID	OJ990519_29.9B05.C2
Gene No.	64484	Strand	-
Start	1115	End	2548
Name	OJ990519_29.9B05.C2.o1.np	Method	AAT/NAP
Start	1115	End	2548
GI	6907088	Score	1205
Exons	1115..1501, 1996..2235, 2411..2548		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		

Seq. No.	31138	Seq. ID	OJ990519_29.9B05.C2
Gene No.	64484	Strand	-
Start	1115	End	2548
Name	OJ990519_29.9B05.C2.o2.np	Method	AAT/NAP
Start	1712	End	2548
GI	6907088	Score	540
Exons	1712..1853, 1996..2235, 2411..2548		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		

Seq. No.	31138	Seq. ID	OJ990519_29.9B05.C2
Gene No.	64485	Strand	-
Start	6276	End	11388
Name	OJ990519_29.9B05.C2.o4.np	Method	AAT/NAP
Start	6276	End	10827
GI	6069646	Score	223
Exons	6276..6883, 10807..10827		
GI Descrip.	(AP000616) similar to putative reverse transcriptase (AC005315) [Oryza sativa] gi\|6907112\|dbj\|BAA90639.1\| (AP001129) Similar to Arabidopsis thaliana chromosome II BAC F9O13 genomic sequence, putative non-LTR retroelement reverse transcriptase. (AC006248) [Oryza sativa]		

Seq. No.	31138	Seq. ID	OJ990519_29.9B05.C2
Gene No.	64485	Strand	-
Start	6276	End	11388
Name	OJ990519_29.9B05.C2.o5.np	Method	AAT/NAP
Start	8837	End	11388
GI	5922620	Score	544
Exons	8837..8967, 9245..9332, 9369..9542, 9661..9823, 10064..10097, 10737..10787, 11222..11309, 11350..11388		
GI Descrip.	(AP000492) EST D15357(C0514) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa] gi\|6016853\|dbj\|BAA85196.1\| (AP000570) EST D15357(C0514) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	31138	Seq. ID	OJ990519_29.9B05.C2
Gene No.	64485	Strand	-
Start	6276	End	11388
Name	OJ990519_29.9B05.C2.o4.gs	Method	GENSCAN
Start	11105	End	11388
GI	none	Score	.78
Exons	11105..11223, 11238..11388		

Seq. No.	31138	Seq. ID	OJ990519_29.9B05.C2
Gene No.	64486	Strand	-
Start	11605	End	11883
Name	OJ990519_29.9B05.C2.o1.tm	Method	TBLASTX:Maize
Start	5899	End	6841
GI	none	Score	91
Exons	5899..5958, 5935..6135, 5957..6136, 6566..6841		

Seq. No.	31138	Seq. ID	OJ990519_29.9B05.C2
Gene No.	64486	Strand	-
Start	11605	End	11883
Name	OJ990519_29.9B05.C2.o5.gs	Method	GENSCAN
Start	11605	End	11883
GI	none	Score	.78
Exons	11605..11883		

Seq. No.	31139	Seq. ID	OJ990519_29.9B05.C3
Gene No.	64487	Strand	+
Start	1	End	8962
Name	OJ990519_29.9B05.C3.o1.np	Method	AAT/NAP
Start	1	End	8962
GI	6172381	Score	1289
Exons	1..26, 623..1256, 5581..7375, 8852..8962		
GI Descrip.	(AB026839) Pi-b protein [Oryza sativa]		

Seq. No.	31139	Seq. ID	OJ990519_29.9B05.C3
Gene No.	64487	Strand	+
Start	1	End	8962
Name	OJ990519_29.9B05.C3.o1.tc	Method	TBLASTX:Cress
Start	729	End	7278
GI	none	Score	72
Exons	729..797, 993..1145, 5575..5679, 5737..5892, 5953..6108, 6382..6495, 7063..7278		

Seq. No.	31139	Seq. ID	OJ990519_29.9B05.C3
Gene No.	64487	Strand	+
Start	1	End	8962
Name	OJ990519_29.9B05.C3.o1.tw	Method	TBLASTX:Wheat
Start	5586	End	5883
GI	none	Score	211
Exons	5586..5717, 5587..5883		

Seq. No.	31139	Seq. ID	OJ990519_29.9B05.C3
Gene No.	64487	Strand	+
Start	1	End	8962
Name	OJ990519_29.9B05.C3.o1.ts	Method	TBLASTX:Soybean
Start	5610	End	7248
GI	none	Score	254

Exons	5610..5891, 5614..5895, 5953..6138, 6166..6228, 6364..6492, 6760..6885, 6949..7056, 7063..7248		
Seq. No.	31139	Seq. ID	OJ990519_29.9B05.C3
Gene No.	64487	Strand	+
Start	1	End	8962
Name	OJ990519_29.9B05.C3.o1.tm	Method	TBLASTX:Maize
Start	6058	End	6489
GI	none	Score	71
Exons	6058..6159, 6187..6333, 6214..6315, 6340..6489		
Seq. No.	31139	Seq. ID	OJ990519_29.9B05.C3
Gene No.	64487	Strand	+
Start	1	End	8962
Name	OJ990519_29.9B05.C3.o2.tw	Method	TBLASTX:Wheat
Start	6217	End	6501
GI	none	Score	96
Exons	6217..6288, 6218..6292, 6322..6501		
Seq. No.	31139	Seq. ID	OJ990519_29.9B05.C3
Gene No.	64487	Strand	+
Start	1	End	8962
Name	OJ990519_29.9B05.C3.o3.gp	Method	AAT/GAP
Start	7926	End	8341
GI	none	Score	804
Exons	7926..8341		
Seq. No.	31139	Seq. ID	OJ990519_29.9B05.C3
Gene No.	64487	Strand	+
Start	1	End	8962
Name	OJ990519_29.9B05.C3.o2.tm	Method	TBLASTX:Maize
Start	8257	End	8652
GI	none	Score	82
Exons	8257..8349, 8445..8570, 8445..8531, 8553..8651, 8586..8651, 8587..8652, 8587..8652		
Seq. No.	31139	Seq. ID	OJ990519_29.9B05.C3
Gene No.	64487	Strand	+
Start	1	End	8962
Name	OJ990519_29.9B05.C3.o2.ts	Method	TBLASTX:Soybean
Start	8451	End	8892
GI	none	Score	61
Exons	8451..8531, 8574..8660, 8586..8684, 8587..8685, 8587..8703, 8824..8892		
Seq. No.	31140	Seq. ID	OJ990519_29.9B05.C4
Gene No.	64488	Strand	-
Start	415	End	1916
Name	OJ990519_29.9B05.C4.o1.gp	Method	AAT/GAP
Start	415	End	1916
GI	31322_1.R1084	Score	778
Exons	415..483, 635..708, 838..1032, 1162..1219, 1820..1916		
GI Descrip.	'1491712/emb\|CAA68226\| 9.0e-18 (X99961) unknown [Homo sapiens]'		
Seq. No.	31140	Seq. ID	OJ990519_29.9B05.C4
Gene No.	64488	Strand	-
Start	415	End	1916

Name	OJ990519_29.9B05.C4.o1.tm	Method	TBLASTX:Maize
Start	829	End	1051
GI	none	Score	89
Exons	829..948, 830..967, 834..971, 836..970, 983..1036, 1013..1051		

Seq. No.	31140	Seq. ID	OJ990519_29.9B05.C4
Gene No.	64488	Strand	-
Start	415	End	1916
Name	OJ990519_29.9B05.C4.o1.tc	Method	TBLASTX:Cress
Start	846	End	1231
GI	none	Score	145
Exons	846..1034, 851..1033, 1154..1225, 1163..1231		

Seq. No.	31140	Seq. ID	OJ990519_29.9B05.C4
Gene No.	64488	Strand	-
Start	415	End	1916
Name	OJ990519_29.9B05.C4.o1.np	Method	AAT/NAP
Start	914	End	1914
GI	1491712	Score	154
Exons	914..1032, 1162..1233, 1816..1914		
GI Descrip.	(X99961) unknown [Homo sapiens]		

Seq. No.	31140	Seq. ID	OJ990519_29.9B05.C4
Gene No.	64488	Strand	-
Start	415	End	1916
Name	OJ990519_29.9B05.C4.o1.gs	Method	GENSCAN
Start	1319	End	1914
GI	none	Score	.76
Exons	1319..1390, 1820..1914		

Seq. No.	31141	Seq. ID	OJ990519_29.9B05.C5
Gene No.	64489	Strand	+
Start	49	End	564
Name	OJ990519_29.9B05.C5.o1.gs	Method	GENSCAN
Start	49	End	564
GI	none	Score	.82
Exons	49..145, 265..564		

Seq. No.	31141	Seq. ID	OJ990519_29.9B05.C5
Gene No.	64490	Strand	+
Start	3469	End	5842
Name	OJ990519_29.9B05.C5.o1.np	Method	AAT/NAP
Start	3469	End	5842
GI	1705463	Score	581
Exons	3469..3678, 5024..5203, 5379..5486, 5721..5842		
GI Descrip.	BIOTIN SYNTHASE (BIOTIN SYNTHETASE) gi\|2129547\|pir\|\|S71201 biotin sythase - Arabidopsis thaliana gi\|1045316 (U24147) biotin sythase [Arabidopsis thaliana] gi\|1403662 (U31806) BIO2 protein [Arabidopsis thaliana] gi\|1769457 (L34413) biotin synthase [Arabidopsis thaliana] gi\|2288983\|gb\|AAB64312.1\| (AC002335) biotin synthase (Bio B) [Arabidopsis thaliana] gi\|1589016\|pr		

Seq. No.	31141	Seq. ID	OJ990519_29.9B05.C5
Gene No.	64490	Strand	+
Start	3469	End	5842
Name	OJ990519_29.9B05.C5.o3.gs	Method	GENSCAN
Start	3469	End	4724

GI	none	Score	.48
Exons	3469..3678, 3883..3941, 4116..4147, 4555..4724		

Seq. No.	31141	Seq. ID	OJ990519_29.9B05.C5
Gene No.	64491	Strand	-
Start	276	End	487
Name	OJ990519_29.9B05.C5.o1.gp	Method	AAT/GAP
Start	276	End	487
GI	31322_1.R1084	Score	385
Exons	276..487		
GI Descrip.	'1491712/emb\|CAA68226\| 9.0e-18 (X99961) unknown [Homo sapiens]'		

Seq. No.	31141	Seq. ID	OJ990519_29.9B05.C5
Gene No.	64492	Strand	-
Start	1704	End	2777
Name	OJ990519_29.9B05.C5.o2.gs	Method	GENSCAN
Start	1704	End	2777
GI	none	Score	.75
Exons	1704..1759, 1907..2045, 2351..2478, 2732..2777		

Seq. No.	31141	Seq. ID	OJ990519_29.9B05.C5
Gene No.	64493	Strand	
Start	3583	End	5490
Name	OJ990519_29.9B05.C5.o1.tc	Method	TBLASTX:Cress
Start	3583	End	5486
GI	none	Score	152
Exons	3583..3687, 3597..3677, 5024..5197, 5024..5185, 5056..5202, 5349..5474, 5376..5486, 5378..5485		

Seq. No.	31141	Seq. ID	OJ990519_29.9B05.C5
Gene No.	64493	Strand	
Start	3583	End	5490
Name	OJ990519_29.9B05.C5.o1.tm	Method	TBLASTX:Maize
Start	3583	End	5490
GI	none	Score	158
Exons	3583..3687, 3597..3677, 5024..5197, 5056..5202, 5250..5486, 5377..5490, 5377..5478, 5378..5485		

Seq. No.	31141	Seq. ID	OJ990519_29.9B05.C5
Gene No.	64493	Strand	
Start	3583	End	5490
Name	OJ990519_29.9B05.C5.o1.ts	Method	TBLASTX:Soybean
Start	3583	End	5486
GI	none	Score	142
Exons	3583..3687, 3597..3677, 5022..5150, 5024..5197, 5056..5202, 5250..5486, 5378..5485		

Seq. No.	31142	Seq. ID	OJ990519_29.9B05.C6
Gene No.	64494	Strand	+
Start	1	End	968
Name	OJ990519_29.9B05.C6.o1.np	Method	AAT/NAP
Start	1	End	962
GI	1705463	Score	546
Exons	1..29, 354..510, 660..962		
GI Descrip.	BIOTIN SYNTHASE (BIOTIN SYNTHETASE) gi\|2129547\|pir\|\|S71201 biotin sythase - Arabidopsis thaliana gi\|1045316 (U24147) biotin sythase [Arabidopsis thaliana] gi\|1403662 (U31806) BIO2 protein		

[Arabidopsis thaliana] gi|1769457 (L34413) biotin synthase [Arabidopsis thaliana] gi|2288983|gb|AAB64312.1| (AC002335) biotin synthase (Bio B) [Arabidopsis thaliana] gi|1589016|pr

Seq. No.	31142	Seq. ID	OJ990519_29.9B05.C6
Gene No.	64494	Strand	+
Start	1	End	968
Name	OJ990519_29.9B05.C6.o1.gp	Method	AAT/GAP
Start	336	End	775
GI	LIB3432-015-P1-K1-A8	Score	465
Exons	336..510, 660..775		
GI Descrip.	'1705463/sp\|P54967\|BIOB_ARATH 1.0e-51 BIOTIN SYNTHASE (BIOTIN SYNTHETASE) >gi_2129547_pir__S71201 biotin sythase - Arabidopsis thaliana >gi_1045316 (U24147) biotin sythase [Arabidopsis thaliana] >gi_1403662 (U31806) BIO2 protein [Arabidopsis thaliana] >gi_1769457 (L34413) biotin synthase [Arabidopsis thaliana] >gi_2288983 (AC002335) biotin synthase (Bio B) [Arabidopsis thalian'		

Seq. No.	31142	Seq. ID	OJ990519_29.9B05.C6
Gene No.	64494	Strand	+
Start	1	End	968
Name	OJ990519_29.9B05.C6.o1.ts	Method	TBLASTX:Soybean
Start	364	End	968
GI	none	Score	109
Exons	364..510, 375..485, 403..510, 659..967	653..901, 657..968, 657..899,	

Seq. No.	31142	Seq. ID	OJ990519_29.9B05.C6
Gene No.	64494	Strand	+
Start	1	End	968
Name	OJ990519_29.9B05.C6.o1.tm	Method	TBLASTX:Maize
Start	436	End	815
GI	none	Score	84
Exons	436..510, 438..491, 448..510,	657..815, 658..810, 659..814	

Seq. No.	31142	Seq. ID	OJ990519_29.9B05.C6
Gene No.	64494	Strand	+
Start	1	End	968
Name	OJ990519_29.9B05.C6.o1.tc	Method	TBLASTX:Cress
Start	654	End	952
GI	none	Score	384
Exons	654..911, 659..952		

Seq. No.	31143	Seq. ID	OJ990519_29.9B05.C7
Gene No.	64495	Strand	+
Start	1359	End	2784
Name	OJ990519_29.9B05.C7.o1.np	Method	AAT/NAP
Start	1359	End	2784
GI	5852084	Score	83
Exons	1359..1386, 2701..2784		
GI Descrip.	(AL117264) zwh0007.1 [Oryza sativa]		

Seq. No.	31144	Seq. ID	OJ990519_29.9B05.C8
Gene No.	64496	Strand	+
Start	1	End	1741
Name	OJ990519_29.9B05.C8.o1.gp	Method	AAT/GAP

Start	1	End	314
GI	2312418	Score	273
Exons	1..121, 259..314		
GI Descrip.	3335347 9.0e-24 (AC004512) Contains similarity to ARI, RING finger protein gb_X98309 from Drosophila melanogaster. ESTs gb_T44383, gb_W43120, gb_N65868, gb_H36013, gb_AA042241, gb_T76869 and gb_AA042359 come from this gene. [Arabidopsis thaliana]		

Seq. No.	31144	Seq. ID	OJ990519_29.9B05.C8
Gene No.	64496	Strand	+
Start	1	End	1741
Name	OJ990519_29.9B05.C8.o2.gp	Method	AAT/GAP
Start	1	End	351
GI	2312418	Score	305
Exons	1..121, 259..351		
GI Descrip.	3335347 9.0e-24 (AC004512) Contains similarity to ARI, RING finger protein gb_X98309 from Drosophila melanogaster. ESTs gb_T44383, gb_W43120, gb_N65868, gb_H36013, gb_AA042241, gb_T76869 and gb_AA042359 come from this gene. [Arabidopsis thaliana]		

Seq. No.	31144	Seq. ID	OJ990519_29.9B05.C8
Gene No.	64496	Strand	+
Start	1	End	1741
Name	OJ990519_29.9B05.C8.o1.np	Method	AAT/NAP
Start	1	End	1741
GI	3335347	Score	452
Exons	1..133, 244..350, 580..751, 901..1002, 1107..1215, 1721..1741		
GI Descrip.	(AC004512) Contains similarity to ARI, RING finger protein gb\|X98309 from Drosophila melanogaster. ESTs gb\|T44383, gb\|W43120, gb\|N65868, gb\|H36013, gb\|AA042241, gb\|T76869 and gb\|AA042359 come from this gene. [Arabidopsis thaliana]		

Seq. No.	31144	Seq. ID	OJ990519_29.9B05.C8
Gene No.	64496	Strand	+
Start	1	End	1741
Name	OJ990519_29.9B05.C8.o1.gs	Method	GENSCAN
Start	2	End	1223
GI	none	Score	.75
Exons	2..168, 580..751, 1107..1223		

Seq. No.	31144	Seq. ID	OJ990519_29.9B05.C8
Gene No.	64496	Strand	+
Start	1	End	1741
Name	OJ990519_29.9B05.C8.o1.ts	Method	TBLASTX:Soybean
Start	20	End	1127
GI	none	Score	62
Exons	20..70, 256..351, 577..675, 581..751, 601..759, 898..945, 900..938, 954..1001, 955..1002, 1098..1127		

Seq. No.	31144	Seq. ID	OJ990519_29.9B05.C8
Gene No.	64496	Strand	+
Start	1	End	1741
Name	OJ990519_29.9B05.C8.o1.tm	Method	TBLASTX:Maize
Start	275	End	1214
GI	none	Score	97

Exons	275..352, 277..351, 581..751, 581..757, 585..752, 601..759, 890..1000, 896..1000, 898..1002, 900..1001, 1082..1195, 1086..1196, 1087..1197, 1098..1214		
Seq. No.	31144	Seq. ID	OJ990519_29.9B05.C8
Gene No.	64496	Strand	+
Start	1	End	1741
Name	OJ990519_29.9B05.C8.o3.gp	Method	AAT/GAP
Start	683	End	1196
GI	44656_1.R1084	Score	445
Exons	683..751, 901..1002, 1107..1196		
GI Descrip.	'3335347 1.0e-149 (AC004512) Contains similarity to ARI, RING finger protein gb_X98309 from Drosophila melanogaster. ESTs gb_T44383, gb_W43120, gb_N65868, gb_H36013, gb_AA042241, gb_T76869 and gb_AA042359 come from this gene. [Arabidopsis thaliana]'		
Seq. No.	31145	Seq. ID	OJ990519_29.9B05.C9
Gene No.	64497	Strand	+
Start	1	End	1745
Name	OJ990519_29.9B05.C9.o1.gp	Method	AAT/GAP
Start	1	End	1745
GI	44656_1.R1084	Score	930
Exons	1..151, 361..450, 1064..1111, 1240..1311, 1409..1502, 1593..1745		
GI Descrip.	'3335347 1.0e-149 (AC004512) Contains similarity to ARI, RING finger protein gb_X98309 from Drosophila melanogaster. ESTs gb_T44383, gb_W43120, gb_N65868, gb_H36013, gb_AA042241, gb_T76869 and gb_AA042359 come from this gene. [Arabidopsis thaliana]'		
Seq. No.	31145	Seq. ID	OJ990519_29.9B05.C9
Gene No.	64497	Strand	+
Start	1	End	1745
Name	OJ990519_29.9B05.C9.o1.np	Method	AAT/NAP
Start	1	End	1745
GI	6850317	Score	446
Exons	1..151, 361..450, 1064..1111, 1240..1311, 1409..1502, 1593..1745		
GI Descrip.	(AC009999) Contains similarity to Ariadne-2 protein from Drosophila melanogaster gb\|AJ010169 and contains an IBR PF\|01485 and a zf-C3HC4 (RING finger) PF\|00097 domain. ESTs gb\|AA585849, gb\|T42014 come from this gen...		
Seq. No.	31145	Seq. ID	OJ990519_29.9B05.C9
Gene No.	64497	Strand	+
Start	1	End	1745
Name	OJ990519_29.9B05.C9.o1.tm	Method	TBLASTX:Maize
Start	39	End	1728
GI	none	Score	108
Exons	39..149, 47..151, 61..150, 361..450, 361..447, 1063..1107, 1064..1117, 1238..1309, 1242..1310, 1242..1310, 1243..1314, 1387..1503, 1406..1504, 1406..1525, 1585..1656, 1592..1657, 1687..1728, 1688..1726		
Seq. No.	31145	Seq. ID	OJ990519_29.9B05.C9
Gene No.	64497	Strand	+
Start	1	End	1745
Name	OJ990519_29.9B05.C9.o1.gs	Method	GENSCAN

Start	61	End	1717
GI	none	Score	.83
Exons	61..151, 361..450, 1064..1111, 1240..1311, 1409..1502, 1593..1717		

Seq. No.	31145	Seq. ID	OJ990519_29.9B05.C9
Gene No.	64497	Strand	+
Start	1	End	1745
Name	OJ990519_29.9B05.C9.o1.tc	Method	TBLASTX:Cress
Start	1364	End	1654
GI	none	Score	159
Exons	1364..1504, 1366..1503, 1407..1520, 1585..1653, 1592..1654		

Seq. No.	31146	Seq. ID	OJ990519_27.9B12.C1
Gene No.	64498	Strand	+
Start	1	End	682
Name	OJ990519_27.9B12.C1.o1.np	Method	AAT/NAP
Start	1	End	682
GI	6579197	Score	375
Exons	1..156, 232..326, 528..682		
GI Descrip.	(AC011438) T23G18.11 [Arabidopsis thaliana]		

Seq. No.	31146	Seq. ID	OJ990519_27.9B12.C1
Gene No.	64498	Strand	+
Start	1	End	682
Name	OJ990519_27.9B12.C1.o1.gs	Method	GENSCAN
Start	52	End	633
GI	none	Score	.85
Exons	52..156, 232..326, 492..633		

Seq. No.	31146	Seq. ID	OJ990519_27.9B12.C1
Gene No.	64498	Strand	+
Start	1	End	682
Name	OJ990519_27.9B12.C1.o1.tm	Method	TBLASTX:Maize
Start	96	End	658
GI	none	Score	41
Exons	96..149, 118..153, 231..326, 232..324, 254..349, 524..628, 526..630, 528..644, 530..658		

Seq. No.	31147	Seq. ID	OJ990519_27.9B12.C2
Gene No.	64499	Strand	+
Start	396	End	452
Name	OJ990519_27.9B12.C2.o1.gs	Method	GENSCAN
Start	396	End	452
GI	none	Score	.48
Exons	396..452		

Seq. No.	31148	Seq. ID	OJ990519_27.9B12.C3
Gene No.	64500	Strand	-
Start	6771	End	7775
Name	OJ990519_27.9B12.C3.o2.gs	Method	GENSCAN
Start	6771	End	7775
GI	none	Score	.86
Exons	6771..6883, 7739..7775		

Seq. No.	31149	Seq. ID	OJ990519_27.9B12.C4
Gene No.	64501	Strand	-

Start	1529	End	3012
Name	OJ990519_27.9B12.C4.o1.np	Method	AAT/NAP
Start	963	End	2536
GI	6498436	Score	316
Exons	963..1122, 1355..1588, 1832..1956, 2056..2536		
GI Descrip.	(AP000815) hypothetical protein [Oryza sativa]		

Seq. No.	31149	Seq. ID	OJ990519_27.9B12.C4
Gene No.	64501	Strand	-
Start	1529	End	3012
Name	OJ990519_27.9B12.C4.o1.gs	Method	GENSCAN
Start	1529	End	3012
GI	none	Score	.69
Exons	1529..1612, 2953..3012		

Seq. No.	31150	Seq. ID	OJ990519_27.9B12.C5
Gene No.	64502	Strand	+
Start	34	End	207
Name	OJ990519_27.9B12.C5.o1.gs	Method	GENSCAN
Start	34	End	207
GI	none	Score	.99
Exons	34..207		

Seq. No.	31151	Seq. ID	OJ990519_27.9B12.C7
Gene No.	64503	Strand	+
Start	1	End	1633
Name	OJ990519_27.9B12.C7.o1.np	Method	AAT/NAP
Start	1	End	1633
GI	6579197	Score	177
Exons	1..23, 1362..1436, 1548..1633		
GI Descrip.	(AC011438) T23G18.11 [Arabidopsis thaliana]		

Seq. No.	31152	Seq. ID	OJ990519_27.9B12.C8
Gene No.	64504	Strand	+
Start	1	End	1183
Name	OJ990519_27.9B12.C8.o1.np	Method	AAT/NAP
Start	1	End	1183
GI	6579197	Score	632
Exons	1..237, 466..520, 606..748, 845..965, 1005..1183		
GI Descrip.	(AC011438) T23G18.11 [Arabidopsis thaliana]		

Seq. No.	31152	Seq. ID	OJ990519_27.9B12.C8
Gene No.	64504	Strand	+
Start	1	End	1183
Name	OJ990519_27.9B12.C8.o1.ts	Method	TBLASTX:Soybean
Start	27	End	203
GI	none	Score	220
Exons	27..200, 28..201, 39..203		

Seq. No.	31152	Seq. ID	OJ990519_27.9B12.C8
Gene No.	64504	Strand	+
Start	1	End	1183
Name	OJ990519_27.9B12.C8.o1.gs	Method	GENSCAN
Start	97	End	1025
GI	none	Score	.74
Exons	97..237, 845..1025		

Seq. No.	31153	Seq. ID	OJ990519_27.9B12.C10
Gene No.	64505	Strand	+
Start	1	End	742
Name	OJ990519_27.9B12.C10.o1.np	Method	AAT/NAP
Start	1	End	742
GI	6579197	Score	75
Exons	1..21, 417..604, 681..742		
GI Descrip.	(AC011438) T23G18.11 [Arabidopsis thaliana]		

Seq. No.	31153	Seq. ID	OJ990519_27.9B12.C10
Gene No.	64505	Strand	+
Start	1	End	742
Name	OJ990519_27.9B12.C10.o1.tm	Method	TBLASTX:Maize
Start	2	End	591
GI	none	Score	38
Exons	2..19, 406..591, 414..590, 415..591		

Seq. No.	31153	Seq. ID	OJ990519_27.9B12.C10
Gene No.	64505	Strand	+
Start	1	End	742
Name	OJ990519_27.9B12.C10.o1.gs	Method	GENSCAN
Start	468	End	704
GI	none	Score	.55
Exons	468..588, 677..704		

Seq. No.	31154	Seq. ID	OJ990519_27.9B12.C12
Gene No.	64506	Strand	+
Start	5850	End	11716
Name	OJ990519_27.9B12.C12.o2.gs	Method	GENSCAN
Start	5850	End	11716
GI	none	Score	.49
Exons	5850..6077, 6292..6390, 7864..8031, 8137..8313, 8456..8725, 9818..9858, 10308..10488, 11033..11079, 11157..11269, 11441..11519, 11554..11716		

Seq. No.	31154	Seq. ID	OJ990519_27.9B12.C12
Gene No.	64507	Strand	+
Start	15273	End	18287
Name	OJ990519_27.9B12.C12.o2.np	Method	AAT/NAP
Start	15273	End	18287
GI	5042463	Score	152
Exons	15273..15526, 16184..16308, 16361..16449, 18032..18287		
GI Descrip.	(AC007789) unknown protein [Oryza sativa]		

Seq. No.	31154	Seq. ID	OJ990519_27.9B12.C12
Gene No.	64508	Strand	-
Start	1	End	4026
Name	OJ990519_27.9B12.C12.o1.np	Method	AAT/NAP
Start	1	End	3988
GI	6579197	Score	471
Exons	1..17, 272..432, 2760..2855, 2958..3017, 3087..3152, 3830..3988		
GI Descrip.	(AC011438) T23G18.11 [Arabidopsis thaliana]		

Seq. No.	31154	Seq. ID	OJ990519_27.9B12.C12
Gene No.	64508	Strand	-
Start	1	End	4026
Name	OJ990519_27.9B12.C12.o1.gs	Method	GENSCAN

Start	272	End	4026
GI	none	Score	.82
Exons	272..432, 2760..2855, 2958..3017, 3087..3152, 3830..3937, 3967..4026		

Seq. No.	31154	Seq. ID	OJ990519_27.9B12.C12
Gene No.	64509	Strand	-
Start	16434	End	18113
Name	OJ990519_27.9B12.C12.o4.gs	Method	GENSCAN
Start	16434	End	17879
GI	none	Score	.8
Exons	16434..16529, 17406..17710, 17810..17879		

Seq. No.	31154	Seq. ID	OJ990519_27.9B12.C12
Gene No.	64509	Strand	-
Start	16434	End	18113
Name	OJ990519_27.9B12.C12.o1.gp	Method	AAT/GAP
Start	17190	End	17624
GI	3762649	Score	818
Exons	17190..17624		
GI Descrip.	4406382/gb\|AAD19962\| 2.0e-09 (AF110779) LGC1 [Lilium longiflorum]		

Seq. No.	31154	Seq. ID	OJ990519_27.9B12.C12
Gene No.	64509	Strand	-
Start	16434	End	18113
Name	OJ990519_27.9B12.C12.o3.np	Method	AAT/NAP
Start	17382	End	18113
GI	4406382	Score	159
Exons	17382..17704, 18056..18113		
GI Descrip.	(AF110779) LGC1 [Lilium longiflorum]		

Seq. No.	31154	Seq. ID	OJ990519_27.9B12.C12
Gene No.	64509	Strand	-
Start	16434	End	18113
Name	OJ990519_27.9B12.C12.o1.tm	Method	TBLASTX:Maize
Start	17490	End	17672
GI	none	Score	84
Exons	17490..17513, 17510..17587, 17511..17594, 17514..17672, 17518..17670		

Seq. No.	31155	Seq. ID	OJ990519_27.9B12.C13
Gene No.	64510	Strand	-
Start	634	End	2208
Name	OJ990519_27.9B12.C13.o1.gp	Method	AAT/GAP
Start	502	End	606
GI	LIB3477-003-P1-K1-E9	Score	81
Exons	502..606		
GI Descrip.	'2498586/sp\|Q40638\|MPO1_ORYSA 2.0e-24 MAJOR POLLEN ALLERGEN ORY S 1 PRECURSOR (ORY S I) >gi_1173557 (U31771) Ory s 1 [Oryza sativa]'		

Seq. No.	31155	Seq. ID	OJ990519_27.9B12.C13
Gene No.	64510	Strand	-
Start	634	End	2208
Name	OJ990519_27.9B12.C13.o1.gs	Method	GENSCAN
Start	634	End	2208

GI	none	Score	.88
Exons	634..819, 899..997, 1095..1167, 1251..1361, 1542..1628, 1733..2208		

Seq. No.	31156	Seq. ID	OJ990519_27.9B12.C14
Gene No.	64511	Strand	+
Start	2129	End	2513
Name	OJ990519_27.9B12.C14.o2.gs	Method	GENSCAN
Start	2129	End	2513
GI	none	Score	1
Exons	2129..2184, 2189..2513		

Seq. No.	31156	Seq. ID	OJ990519_27.9B12.C14
Gene No.	64512	Strand	-
Start	1	End	4416
Name	OJ990519_27.9B12.C14.o1.np	Method	AAT/NAP
Start	1	End	4416
GI	4680204	Score	692
Exons	1..436, 3355..4416		
GI Descrip.	(AF114171) hypothetical protein [Sorghum bicolor]		

Seq. No.	31156	Seq. ID	OJ990519_27.9B12.C14
Gene No.	64512	Strand	-
Start	1	End	4416
Name	OJ990519_27.9B12.C14.o1.gp	Method	AAT/GAP
Start	444	End	697
GI	61605_3.R1084	Score	444
Exons	444..697		
GI Descrip.	'1402920/emb\|CAA66965\| 2.0e-20 (X98321) peroxidase [Arabidopsis thaliana]'		

Seq. No.	31156	Seq. ID	OJ990519_27.9B12.C14
Gene No.	64512	Strand	-
Start	1	End	4416
Name	OJ990519_27.9B12.C14.o2.gp	Method	AAT/GAP
Start	1228	End	1655
GI	2428185	Score	813
Exons	1228..1655		
GI Descrip.	5852170/emb\|AL117265.1\|OST17804 1.0e-177 Oryza sativa indica(GLA4) genomic DNA, chromosome 4, BAC clone:t17804		

Seq. No.	31156	Seq. ID	OJ990519_27.9B12.C14
Gene No.	64512	Strand	-
Start	1	End	4416
Name	OJ990519_27.9B12.C14.o3.gp	Method	AAT/GAP
Start	1673	End	2407
GI	101153_1.R1084	Score	584
Exons	1673..1901, 2220..2407		
GI Descrip.	'5852170/emb\|AL117265.1\|OST17804 1.0e-115 Oryza sativa indica(GLA4) genomic DNA, chromosome 4, BAC clone:t17804'		

Seq. No.	31156	Seq. ID	OJ990519_27.9B12.C14
Gene No.	64512	Strand	-
Start	1	End	4416
Name	OJ990519_27.9B12.C14.o4.gp	Method	AAT/GAP
Start	2493	End	2819
GI	2312818	Score	368

Exons	2493..2819		
GI Descrip.	5852170/emb\|AL117265.1\|OST17804 2.0e-27 Oryza sativa indica(GLA4) genomic DNA, chromosome 4, BAC clone:t17804		

Seq. No.	31156	Seq. ID	OJ990519_27.9B12.C14
Gene No.	64512	Strand	-
Start	1	End	4416
Name	OJ990519_27.9B12.C14.o1.tw	Method	TBLASTX:Wheat
Start	3370	End	3773
GI	none	Score	78
Exons	3370..3540, 3371..3487, 3530..3673, 3535..3771, 3577..3771, 3633..3773, 3657..3773		

Seq. No.	31157	Seq. ID	OJ990519_27.9B12.C15
Gene No.	64513	Strand	+
Start	66	End	2201
Name	OJ990519_27.9B12.C15.o2.gp	Method	AAT/GAP
Start	66	End	2201
GI	342_1.R1084	Score	3199
Exons	66..643, 742..1491, 1512..2201		
GI Descrip.	'4574406/gb\|AAD24042.1\| 0.0e+00 (AF121139) RIM2 protein [Oryza sativa]'		

Seq. No.	31157	Seq. ID	OJ990519_27.9B12.C15
Gene No.	64513	Strand	+
Start	66	End	2201
Name	OJ990519_27.9B12.C15.o1.gp	Method	AAT/GAP
Start	764	End	1208
GI	LIB3431-028-P1-N1-A10	Score	742
Exons	764..834, 862..1208		
GI Descrip.	'4680203/gb\|AAD27566.1\|AF114171_7 3.0e-33 (AF114171) TNP2-like protein [Sorghum bicolor]'		

Seq. No.	31157	Seq. ID	OJ990519_27.9B12.C15
Gene No.	64514	Strand	-
Start	827	End	2201
Name	OJ990519_27.9B12.C15.o1.gs	Method	GENSCAN
Start	827	End	2087
GI	none	Score	.64
Exons	827..1505, 1581..1628, 1822..2087		

Seq. No.	31157	Seq. ID	OJ990519_27.9B12.C15
Gene No.	64514	Strand	-
Start	827	End	2201
Name	OJ990519_27.9B12.C15.o1.tw	Method	TBLASTX:Wheat
Start	902	End	2199
GI	none	Score	52
Exons	902..994, 903..968, 919..990, 983..1063, 999..1064, 1076..1186, 1077..1157, 1085..1186, 1196..1255, 1224..1259, 1262..1303, 1262..1306, 1267..1329, 1301..1489, 1317..1460, 1512..1712, 1513..1722, 1528..1737, 1731..2171, 1732..2169, 2173..2199, 2173..2199		

Seq. No.	31157	Seq. ID	OJ990519_27.9B12.C15
Gene No.	64514	Strand	-
Start	827	End	2201
Name	OJ990519_27.9B12.C15.o1.np	Method	AAT/NAP

Start	1386	End	2201
GI	6742729	Score	1165
Exons	1386..2201		
GI Descrip.	(AF121139) RIM2 protein [Oryza sativa]		

Seq. No.	31157	Seq. ID	OJ990519_27.9B12.C15
Gene No.	64514	Strand	-
Start	827	End	2201
Name	OJ990519_27.9B12.C15.o1.tc	Method	TBLASTX:Cress
Start	1525	End	1950
GI	none	Score	85
Exons	1525..1722, 1528..1653, 1538..1723, 1731..1946, 1731..1946, 1732..1950, 1807..1950		

Seq. No.	31157	Seq. ID	OJ990519_27.9B12.C15
Gene No.	64514	Strand	-
Start	827	End	2201
Name	OJ990519_27.9B12.C15.o1.tm	Method	TBLASTX:Maize
Start	1881	End	2196
GI	none	Score	128
Exons	1881..2171, 1900..2166, 2173..2196		

Seq. No.	31158	Seq. ID	OJ990519_27.9B12.C16
Gene No.	64515	Strand	-
Start	1	End	1428
Name	OJ990519_27.9B12.C16.o1.gp	Method	AAT/GAP
Start	1	End	1425
GI	342_1.R1084	Score	2246
Exons	1..1425		
GI Descrip.	'4574406/gb\|AAD24042.1\| 0.0e+00 (AF121139) RIM2 protein [Oryza sativa]'		

Seq. No.	31158	Seq. ID	OJ990519_27.9B12.C16
Gene No.	64515	Strand	-
Start	1	End	1428
Name	OJ990519_27.9B12.C16.o1.np	Method	AAT/NAP
Start	1	End	1428
GI	4680203	Score	1658
Exons	1..1428		
GI Descrip.	(AF114171) TNP2-like protein [Sorghum bicolor]		

Seq. No.	31158	Seq. ID	OJ990519_27.9B12.C16
Gene No.	64515	Strand	-
Start	1	End	1428
Name	OJ990519_27.9B12.C16.o1.tw	Method	TBLASTX:Wheat
Start	52	End	509
GI	none	Score	85
Exons	52..162, 52..159, 87..170, 162..269, 163..246, 247..339, 249..347, 250..342, 333..455, 351..455, 355..456, 453..509, 457..501		

Seq. No.	31158	Seq. ID	OJ990519_27.9B12.C16
Gene No.	64515	Strand	-
Start	1	End	1428
Name	OJ990519_27.9B12.C16.o1.tm	Method	TBLASTX:Maize
Start	250	End	638
GI	none	Score	138

Exons	250..510, 252..533, 549..638		
Seq. No.	31158	Seq. ID	OJ990519_27.9B12.C16
Gene No.	64515	Strand	-
Start	1	End	1428
Name	OJ990519_27.9B12.C16.o1.tc	Method	TBLASTX:Cress
Start	297	End	645
GI	none	Score	80
Exons	297..638, 316..450, 493..645		
Seq. No.	31158	Seq. ID	OJ990519_27.9B12.C16
Gene No.	64515	Strand	-
Start	1	End	1428
Name	OJ990519_27.9B12.C16.o1.ts	Method	TBLASTX:Soybean
Start	378	End	807
GI	none	Score	112
Exons	378..674, 391..642, 724..807, 732..806		
Seq. No.	31158	Seq. ID	OJ990519_27.9B12.C16
Gene No.	64515	Strand	-
Start	1	End	1428
Name	OJ990519_27.9B12.C16.o2.tw	Method	TBLASTX:Wheat
Start	723	End	1123
GI	none	Score	118
Exons	723..917, 728..916, 738..980, 739..987, 914..988, 971..1123, 985..1104, 995..1096		
Seq. No.	31159	Seq. ID	OJ990519_27.9B12.C18
Gene No.	64516	Strand	+
Start	1058	End	2973
Name	OJ990519_27.9B12.C18.o1.gs	Method	GENSCAN
Start	1058	End	2964
GI	none	Score	.78
Exons	1058..1236, 1314..1380, 1498..1611, 1687..1780, 1872..1938, 2018..2077, 2180..2789, 2878..2964		
Seq. No.	31159	Seq. ID	OJ990519_27.9B12.C18
Gene No.	64516	Strand	+
Start	1058	End	2973
Name	OJ990519_27.9B12.C18.o2.tm	Method	TBLASTX:Maize
Start	1160	End	1933
GI	none	Score	106
Exons	1160..1264, 1162..1236, 1312..1380, 1363..1392, 1495..1605, 1497..1625, 1502..1606, 1689..1781, 1690..1782, 1691..1798, 1870..1932, 1873..1932, 1874..1933		
Seq. No.	31159	Seq. ID	OJ990519_27.9B12.C18
Gene No.	64516	Strand	+
Start	1058	End	2973
Name	OJ990519_27.9B12.C18.o1.gp	Method	AAT/GAP
Start	1722	End	2328
GI	none	Score	606
Exons	1722..1780, 1872..1938, 2018..2077, 2180..2328		
Seq. No.	31159	Seq. ID	OJ990519_27.9B12.C18
Gene No.	64516	Strand	+
Start	1058	End	2973

Name	OJ990519_27.9B12.C18.o1.tm	Method	TBLASTX:Maize
Start	2337	End	2973
GI	none	Score	240
Exons	2337..2546, 2337..2471, 2339..2548, 2477..2548, 2547..2675, 2549..2773, 2584..2772, 2759..2791, 2761..2796, 2871..2939, 2877..2927, 2950..2973		

Seq. No.	31159	Seq. ID	OJ990519_27.9B12.C18
Gene No.	64516	Strand	+
Start	1058	End	2973
Name	OJ990519_27.9B12.C18.o1.ts	Method	TBLASTX:Soybean
Start	2561	End	2788
GI	none	Score	120
Exons	2561..2680, 2593..2688, 2699..2788, 2732..2788		

Seq. No.	31159	Seq. ID	OJ990519_27.9B12.C18
Gene No.	64516	Strand	+
Start	1058	End	2973
Name	OJ990519_27.9B12.C18.o2.gp	Method	AAT/GAP
Start	2633	End	2973
GI	none	Score	403
Exons	2633..2789, 2878..2973		

Seq. No.	31160	Seq. ID	OJ990519_27.9B12.C19
Gene No.	64517	Strand	+
Start	1	End	1731
Name	OJ990519_27.9B12.C19.o1.gp	Method	AAT/GAP
Start	1	End	1438
GI	61577_1.R1084	Score	1262
Exons	1..274, 835..916, 1052..1438		
GI Descrip.	'4126471/dbj\|BAA36584\| 6.0e-18 (AB014722) rSALT-1(806) [Rattus norvegicus]'		

Seq. No.	31160	Seq. ID	OJ990519_27.9B12.C19
Gene No.	64517	Strand	+
Start	1	End	1731
Name	OJ990519_27.9B12.C19.o1.np	Method	AAT/NAP
Start	1	End	296
GI	4126471	Score	194
Exons	1..296		
GI Descrip.	(AB014722) rSALT-1(806) [Rattus norvegicus]		

Seq. No.	31160	Seq. ID	OJ990519_27.9B12.C19
Gene No.	64517	Strand	+
Start	1	End	1731
Name	OJ990519_27.9B12.C19.o1.gs	Method	GENSCAN
Start	54	End	1731
GI	none	Score	.57
Exons	54..274, 835..916, 1024..1267, 1622..1731		

Seq. No.	31160	Seq. ID	OJ990519_27.9B12.C19
Gene No.	64518	Strand	-
Start	2630	End	7306
Name	OJ990519_27.9B12.C19.o2.tm	Method	TBLASTX:Maize
Start	35	End	282
GI	none	Score	114
Exons	35..166, 53..166, 54..176, 167..262, 183..260, 184..270,		

235..282

Seq. No.	31160	Seq. ID	OJ990519_27.9B12.C19
Gene No.	64518	Strand	-
Start	2630	End	7306
Name	OJ990519_27.9B12.C19.o2.gs	Method	GENSCAN
Start	2630	End	7306
GI	none	Score	.8
Exons	2630..2969, 3374..3577, 3677..3810, 5109..5273, 5372..5503, 6423..6508, 6638..6830, 7229..7306		

Seq. No.	31160	Seq. ID	OJ990519_27.9B12.C19
Gene No.	64518	Strand	-
Start	2630	End	7306
Name	OJ990519_27.9B12.C19.o2.gp	Method	AAT/GAP
Start	3536	End	5507
GI	uC-osf1cyp110f03b1	Score	943
Exons	3536..3756, 5109..5273, 5372..5507		
GI Descrip.	'4539005/emb\|CAB39626.1\| 5.0e-20 (AL049481) putative oxidoreductase [Arabidopsis thaliana]'		

Seq. No.	31160	Seq. ID	OJ990519_27.9B12.C19
Gene No.	64518	Strand	-
Start	2630	End	7306
Name	OJ990519_27.9B12.C19.o2.np	Method	AAT/NAP
Start	3555	End	7026
GI	5541702	Score	318
Exons	3555..3726, 5115..5273, 5372..5503, 6423..6508, 6638..7026		
GI Descrip.	(AL096860) putative protein [Arabidopsis thaliana]		

Seq. No.	31160	Seq. ID	OJ990519_27.9B12.C19
Gene No.	64518	Strand	-
Start	2630	End	7306
Name	OJ990519_27.9B12.C19.o1.tc	Method	TBLASTX:Cress
Start	5106	End	5503
GI	none	Score	66
Exons	5106..5285, 5152..5274, 5372..5503		

Seq. No.	31160	Seq. ID	OJ990519_27.9B12.C19
Gene No.	64518	Strand	-
Start	2630	End	7306
Name	OJ990519_27.9B12.C19.o1.tm	Method	TBLASTX:Maize
Start	5109	End	5504
GI	none	Score	95
Exons	5109..5279, 5161..5274, 5372..5503, 5373..5504		

Seq. No.	31160	Seq. ID	OJ990519_27.9B12.C19
Gene No.	64518	Strand	-
Start	2630	End	7306
Name	OJ990519_27.9B12.C19.o2.tc	Method	TBLASTX:Cress
Start	6594	End	6839
GI	none	Score	112
Exons	6594..6839, 6637..6816		

Seq. No.	31161	Seq. ID	OJ990519_27.9B12.C20
Gene No.	64519	Strand	+
Start	755	End	1618

Name	OJ990519_27.9B12.C20.o1.gs	Method	GENSCAN
Start	755	End	1618
GI	none	Score	.92
Exons	755..799, 1478..1618		

Seq. No.	31162	Seq. ID	OJ990519_27.9B12.C21
Gene No.	64520	Strand	+
Start	476	End	539
Name	OJ990519_27.9B12.C21.o1.np	Method	AAT/NAP
Start	476	End	539
GI	2498930	Score	61
Exons	476..539		
GI Descrip.	DORSAL-VENTRAL PATTERNING PROTEIN SOG (SHORT GASTRULATION PROTEIN) gi\|1203794 (U18774) Sog [Drosophila melanogaster]		

Seq. No.	31163	Seq. ID	OJ990519_27.9B12.C22
Gene No.	64522	Strand	-
Start	1	End	1003
Name	OJ990519_27.9B12.C22.o1.np	Method	AAT/NAP
Start	1	End	1003
GI	5103193	Score	1724
Exons	1..1003		
GI Descrip.	(AP000342) transposase of Tn10 [Plasmid R100] gi\|5738084\|gb\|AAD50242.1\|AF162223_1 (AF162223) IS10-left transposase [Shigella flexneri]		

Seq. No.	31163	Seq. ID	OJ990519_27.9B12.C22
Gene No.	64522	Strand	-
Start	1	End	1003
Name	OJ990519_27.9B12.C22.o1.gs	Method	GENSCAN
Start	13	End	736
GI	none	Score	.52
Exons	13..736		

Seq. No.	31164	Seq. ID	OJ990519_27.9B12.C23
Gene No.	64523	Strand	+
Start	812	End	7019
Name	OJ990519_27.9B12.C23.o1.gs	Method	GENSCAN
Start	812	End	7019
GI	none	Score	.51
Exons	812..849, 1330..1357, 2417..2596, 2691..2743, 3865..4015, 4082..4230, 5146..5259, 6464..6564, 6607..6730, 6834..7019		

Seq. No.	31164	Seq. ID	OJ990519_27.9B12.C23
Gene No.	64524	Strand	+
Start	7535	End	8119
Name	OJ990519_27.9B12.C23.o2.gp	Method	AAT/GAP
Start	7535	End	8119
GI	16026_1.R1084	Score	1080
Exons	7535..8119		
GI Descrip.	'1420932/gb\|U61383\|ORU61383 7.0e-21 Oryza rufipogon 4-coumarate-CoA ligase gene, intron 1, partial sequence'		

Seq. No.	31164	Seq. ID	OJ990519_27.9B12.C23
Gene No.	64525	Strand	-
Start	494	End	2396
Name	OJ990519_27.9B12.C23.o1.gp	Method	AAT/GAP

Start	494	End	2396
GI	3106798	Score	573
Exons	494..548, 998..1098, 1429..1506, 2143..2186, 2318..2396		
GI Descrip.	1175381/sp\|Q09709\|YA32_SCHPO 2.0e-15 HYPOTHETICAL 44.9 KD PROTEIN C18B11.02C IN CHROMOSOME I >gi_2130286_pir__S58301 hypothetical protein SPAC18B11.02c - fission yeast (Schizosaccharomyces pombe) >gi_929888_emb_CAA90587_ (Z50728) hypothetical protein [Schizosaccharomyces pombe]		

Seq. No.	31164	Seq. ID	OJ990519_27.9B12.C23
Gene No.	64526	Strand	-
Start	7829	End	8074
Name	OJ990519_27.9B12.C23.o2.gs	Method	GENSCAN
Start	7829	End	8074
GI	none	Score	.97
Exons	7829..8074		

Seq. No.	31165	Seq. ID	OJ990519_27.9B12.C24
Gene No.	64527	Strand	+
Start	516	End	1941
Name	OJ990519_27.9B12.C24.o1.np	Method	AAT/NAP
Start	516	End	1941
GI	5852084	Score	80
Exons	516..555, 1796..1941		
GI Descrip.	(AL117264) zwh0007.1 [Oryza sativa]		

Seq. No.	31166	Seq. ID	OJ990519_27.9B12.C25
Gene No.	64528	Strand	+
Start	4771	End	5799
Name	OJ990519_27.9B12.C25.o1.gp	Method	AAT/GAP
Start	4719	End	5258
GI	16758_1.R1084	Score	1030
Exons	4719..5258		
GI Descrip.	'1175381/sp\|Q09709\|YA32_SCHPO 2.0e-15 HYPOTHETICAL 44.9 KD PROTEIN C18B11.02C IN CHROMOSOME I >gi_2130286_pir__S58301 hypothetical protein SPAC18B11.02c - fission yeast (Schizosaccharomyces pombe) >gi_929888_emb_CAA90587_ (Z50728) hypothetical protein [Schizosaccharomyces pombe]'		

Seq. No.	31166	Seq. ID	OJ990519_27.9B12.C25
Gene No.	64528	Strand	+
Start	4771	End	5799
Name	OJ990519_27.9B12.C25.o1.np	Method	AAT/NAP
Start	4760	End	5799
GI	4966371	Score	113
Exons	4760..5116, 5720..5799		
GI Descrip.	(AC006341) Similar to gb\|D14414 Indole-3-acetic acid induced protein from Vigna radiata. ESTs gb\|AA712892 and gb\|Z17613 come from this gene. [Arabidopsis thaliana]		

Seq. No.	31166	Seq. ID	OJ990519_27.9B12.C25
Gene No.	64528	Strand	+
Start	4771	End	5799
Name	OJ990519_27.9B12.C25.o2.gs	Method	GENSCAN
Start	4771	End	5271
GI	none	Score	.67
Exons	4771..5271		

Seq. No.	31166	Seq. ID	OJ990519_27.9B12.C25
Gene No.	64529	Strand	-
Start	6928	End	8351
Name	OJ990519_27.9B12.C25.o1.ts	Method	TBLASTX:Soybean
Start	6924	End	7255
GI	none	Score	125
Exons	6924..7235, 6926..7126, 6928..7248, 6931..7236, 7001..7255, 7164..7253		

Seq. No.	31166	Seq. ID	OJ990519_27.9B12.C25
Gene No.	64529	Strand	-
Start	6928	End	8351
Name	OJ990519_27.9B12.C25.o2.np	Method	AAT/NAP
Start	6925	End	8346
GI	6579197	Score	496
Exons	6925..7288, 7731..7835, 8017..8346		
GI Descrip.	(AC011438) T23G18.11 [Arabidopsis thaliana]		

Seq. No.	31166	Seq. ID	OJ990519_27.9B12.C25
Gene No.	64529	Strand	-
Start	6928	End	8351
Name	OJ990519_27.9B12.C25.o3.gs	Method	GENSCAN
Start	6928	End	8330
GI	none	Score	.48
Exons	6928..7288, 7731..7837, 8094..8330		

Seq. No.	31166	Seq. ID	OJ990519_27.9B12.C25
Gene No.	64529	Strand	-
Start	6928	End	8351
Name	OJ990519_27.9B12.C25.o1.tc	Method	TBLASTX:Cress
Start	6940	End	7161
GI	none	Score	91
Exons	6940..7161, 6974..7126		

Seq. No.	31166	Seq. ID	OJ990519_27.9B12.C25
Gene No.	64529	Strand	-
Start	6928	End	8351
Name	OJ990519_27.9B12.C25.o1.tw	Method	TBLASTX:Wheat
Start	7221	End	8351
GI	none	Score	73
Exons	7221..7295, 7221..7295, 7222..7296, 7222..7296, 7720..7821, 7720..7827, 7727..7837, 7727..7837, 7731..7838, 8118..8351, 8119..8334, 8127..8351		

Seq. No.	31167	Seq. ID	OJ990519_27.9B12.C26
Gene No.	64530	Strand	-
Start	1	End	1265
Name	OJ990519_27.9B12.C26.o1.np	Method	AAT/NAP
Start	1	End	1265
GI	3885342	Score	440
Exons	1..75, 147..307, 480..528, 865..1121, 1211..1265		
GI Descrip.	(AC005623) putative DNA polymerase epsilon catalytic subunit [Arabidopsis thaliana]		

Seq. No.	31167	Seq. ID	OJ990519_27.9B12.C26
Gene No.	64530	Strand	-

Start	1	End	1265
Name	OJ990519_27.9B12.C26.o1.tm	Method	TBLASTX:Maize
Start	9	End	531
GI	none	Score	78
Exons	9..77, 13..78, 138..308, 142..282, 146..316, 467..529, 477..527, 496..531		

Seq. No.	31167	Seq. ID	OJ990519_27.9B12.C26
Gene No.	64530	Strand	-
Start	1	End	1265
Name	OJ990519_27.9B12.C26.o1.ts	Method	TBLASTX:Soybean
Start	9	End	278
GI	none	Score	69
Exons	9..92, 13..93, 146..277, 147..278		

Seq. No.	31167	Seq. ID	OJ990519_27.9B12.C26
Gene No.	64530	Strand	-
Start	1	End	1265
Name	OJ990519_27.9B12.C26.o1.gs	Method	GENSCAN
Start	147	End	1121
GI	none	Score	.91
Exons	147..307, 480..528, 865..1121		

Seq. No.	31168	Seq. ID	OJ990519_27.9B12.C27
Gene No.	64531	Strand	
Start	123	End	255
Name	OJ990519_27.9B12.C27.o1.tm	Method	TBLASTX:Maize
Start	123	End	255
GI	none	Score	180
Exons	123..251, 127..255, 134..250, 138..251		

Seq. No.	31169	Seq. ID	OJ990729_12.9B19.C1
Gene No.	64532	Strand	+
Start	443	End	2801
Name	OJ990729_12.9B19.C1.o1.gs	Method	GENSCAN
Start	443	End	2801
GI	none	Score	.51
Exons	443..550, 2385..2462, 2679..2801		

Seq. No.	31169	Seq. ID	OJ990729_12.9B19.C1
Gene No.	64533	Strand	-
Start	2372	End	6228
Name	OJ990729_12.9B19.C1.o1.gp	Method	AAT/GAP
Start	2372	End	4328
GI	12972_1.R1084	Score	1705
Exons	2372..2840, 2929..3207, 3429..3474, 3884..3989, 4243..4328		
GI Descrip.	'4335771/gb\|AAD17448\| 3.0e-40 (AC006284) unknown protein [Arabidopsis thaliana]'		

Seq. No.	31169	Seq. ID	OJ990729_12.9B19.C1
Gene No.	64533	Strand	-
Start	2372	End	6228
Name	OJ990729_12.9B19.C1.o2.gs	Method	GENSCAN
Start	2932	End	6228
GI	none	Score	.62
Exons	2932..3087, 3167..3207, 4243..4336, 4412..4490, 4592..4683, 4757..4816, 5047..5467, 6060..6228		

Seq. No.	31169	Seq. ID	OJ990729_12.9B19.C1
Gene No.	64533	Strand	-
Start	2372	End	6228
Name	OJ990729_12.9B19.C1.o1.np	Method	AAT/NAP
Start	2950	End	4810
GI	4335771	Score	589
Exons	2950..3087, 3167..3207, 3429..3474, 3884..3996, 4243..4336, 4412..4490, 4592..4683, 4757..4810		
GI Descrip.	(AC006284) unknown protein [Arabidopsis thaliana]		

Seq. No.	31169	Seq. ID	OJ990729_12.9B19.C1
Gene No.	64533	Strand	-
Start	2372	End	6228
Name	OJ990729_12.9B19.C1.o1.tc	Method	TBLASTX:Cress
Start	2977	End	4492
GI	none	Score	97
Exons	2977..3084, 2996..3085, 3881..3997, 3882..3998, 3884..4003, 4241..4333, 4242..4334, 4406..4489, 4412..4492		

Seq. No.	31169	Seq. ID	OJ990729_12.9B19.C1
Gene No.	64533	Strand	-
Start	2372	End	6228
Name	OJ990729_12.9B19.C1.o1.tm	Method	TBLASTX:Maize
Start	3899	End	4800
GI	none	Score	154
Exons	3899..3997, 3900..3998, 4241..4333, 4242..4334, 4246..4338, 4406..4498, 4406..4489, 4411..4500, 4591..4683, 4592..4684, 4593..4685, 4745..4798, 4746..4799, 4765..4800		

Seq. No.	31169	Seq. ID	OJ990729_12.9B19.C1
Gene No.	64533	Strand	-
Start	2372	End	6228
Name	OJ990729_12.9B19.C1.o2.np	Method	AAT/NAP
Start	4283	End	5787
GI	4335759	Score	89
Exons	4283..4349, 5043..5219, 5631..5787		
GI Descrip.	(AC006284) unknown protein [Arabidopsis thaliana]		

Seq. No.	31170	Seq. ID	OJ990729_12.9B19.C2
Gene No.	64534	Strand	+
Start	523	End	1722
Name	OJ990729_12.9B19.C2.o1.gs	Method	GENSCAN
Start	523	End	1722
GI	none	Score	.54
Exons	523..569, 1174..1264, 1612..1722		

Seq. No.	31170	Seq. ID	OJ990729_12.9B19.C2
Gene No.	64535	Strand	-
Start	3645	End	7575
Name	OJ990729_12.9B19.C2.o1.gp	Method	AAT/GAP
Start	3509	End	4622
GI	426827	Score	773
Exons	3509..3731, 3824..3927, 4365..4427, 4569..4622		

Seq. No.	31170	Seq. ID	OJ990729_12.9B19.C2
Gene No.	64535	Strand	-

Start	3645	End	7575
Name	OJ990729_12.9B19.C2.o2.gs	Method	GENSCAN
Start	3645	End	7484
GI	none	Score	.71
Exons	3645..3731, 3824..3927, 4365..4427, 6150..6192, 6368..6465, 7334..7484		

Seq. No.	31170	Seq. ID	OJ990729_12.9B19.C2
Gene No.	64535	Strand	-
Start	3645	End	7575
Name	OJ990729_12.9B19.C2.o1.tm	Method	TBLASTX:Maize
Start	5053	End	7575
GI	none	Score	69
Exons	5053..5118, 5066..5110, 5516..5584, 5519..5569, 5712..5777, 5713..5778, 5729..5779, 6151..6198, 6152..6205, 6363..6467, 6364..6465, 6365..6469, 7323..7472, 7323..7472, 7324..7473, 7461..7571, 7462..7575		

Seq. No.	31171	Seq. ID	OJ990729_12.9B19.C3
Gene No.	64536	Strand	+
Start	122	End	769
Name	OJ990729_12.9B19.C3.o1.gp	Method	AAT/GAP
Start	122	End	769
GI	2442702	Score	587
Exons	122..334, 653..769		

Seq. No.	31171	Seq. ID	OJ990729_12.9B19.C3
Gene No.	64537	Strand	+
Start	675	End	7520
Name	OJ990729_12.9B19.C3.o1.gs	Method	GENSCAN
Start	675	End	7520
GI	none	Score	.66
Exons	675..823, 1771..1828, 2462..2557, 2701..2793, 2957..3014, 3666..3729, 4597..4669, 5400..5534, 6408..6563, 7194..7520		

Seq. No.	31171	Seq. ID	OJ990729_12.9B19.C3
Gene No.	64537	Strand	+
Start	675	End	7520
Name	OJ990729_12.9B19.C3.o2.gp	Method	AAT/GAP
Start	3248	End	3500
GI	3762972	Score	444
Exons	3248..3500		

Seq. No.	31172	Seq. ID	OJ990729_12.9B19.C5
Gene No.	64538	Strand	+
Start	711	End	8726
Name	OJ990729_12.9B19.C5.o1.gs	Method	GENSCAN
Start	711	End	8726
GI	none	Score	.65
Exons	711..740, 1635..1718, 2726..2797, 2845..2914, 3030..3073, 3526..3630, 3684..4954, 4960..5024, 5030..5506, 5588..6040, 6175..6929, 6984..8726		

Seq. No.	31172	Seq. ID	OJ990729_12.9B19.C5
Gene No.	64538	Strand	+
Start	711	End	8726
Name	OJ990729_12.9B19.C5.o1.np	Method	AAT/NAP

Start	4207	End	8723
GI	6498441	Score	5801
Exons	4207..5564, 5748..5882, 6057..6779, 6951..8348, 8442..8723		
GI Descrip.	(AP000815) EST C72786(E2258) corresponds to a region of the predicted gene.; Similar to Sorghum bicolor Gypsy-Ty3 type retrotransposon RetroSor1. (AF098806) [Oryza sativa]		

Seq. No.	31172	Seq. ID	OJ990729_12.9B19.C5
Gene No.	64539	Strand	-
Start	9350	End	9651
Name	OJ990729_12.9B19.C5.o6.tw	Method	TBLASTX:Wheat
Start	4359	End	4748
GI	none	Score	54
Exons	4359..4403, 4410..4508, 4427..4465, 4491..4748, 4508..4714		

Seq. No.	31172	Seq. ID	OJ990729_12.9B19.C5
Gene No.	64539	Strand	-
Start	9350	End	9651
Name	OJ990729_12.9B19.C5.o4.tm	Method	TBLASTX:Maize
Start	4398	End	4646
GI	none	Score	189
Exons	4398..4646, 4514..4645		

Seq. No.	31172	Seq. ID	OJ990729_12.9B19.C5
Gene No.	64539	Strand	-
Start	9350	End	9651
Name	OJ990729_12.9B19.C5.o1.tw	Method	TBLASTX:Wheat
Start	5250	End	5661
GI	none	Score	505
Exons	5250..5654, 5251..5661		

Seq. No.	31172	Seq. ID	OJ990729_12.9B19.C5
Gene No.	64539	Strand	-
Start	9350	End	9651
Name	OJ990729_12.9B19.C5.o1.tm	Method	TBLASTX:Maize
Start	5329	End	5685
GI	none	Score	371
Exons	5329..5685, 5364..5675, 5569..5685		

Seq. No.	31172	Seq. ID	OJ990729_12.9B19.C5
Gene No.	64539	Strand	-
Start	9350	End	9651
Name	OJ990729_12.9B19.C5.o3.tm	Method	TBLASTX:Maize
Start	5712	End	6095
GI	none	Score	349
Exons	5712..6095, 5713..6081		

Seq. No.	31172	Seq. ID	OJ990729_12.9B19.C5
Gene No.	64539	Strand	-
Start	9350	End	9651
Name	OJ990729_12.9B19.C5.o2.tw	Method	TBLASTX:Wheat
Start	5769	End	6188
GI	none	Score	368
Exons	5769..6110, 5770..6081, 5808..6104, 6060..6188		

Seq. No.	31172	Seq. ID	OJ990729_12.9B19.C5
Gene No.	64539	Strand	-

Start	9350	End	9651
Name	OJ990729_12.9B19.C5.o1.ts	Method	TBLASTX:Soybean
Start	5848	End	6218
GI	none	Score	179
Exons	5848..6060, 5865..6008, 6078..6218		

Seq. No.	31172	Seq. ID	OJ990729_12.9B19.C5
Gene No.	64539	Strand	-
Start	9350	End	9651
Name	OJ990729_12.9B19.C5.o4.tw	Method	TBLASTX:Wheat
Start	6651	End	7085
GI	none	Score	236
Exons	6651..6875, 6716..6892, 6936..7085, 6947..7084		

Seq. No.	31172	Seq. ID	OJ990729_12.9B19.C5
Gene No.	64539	Strand	-
Start	9350	End	9651
Name	OJ990729_12.9B19.C5.o2.ts	Method	TBLASTX:Soybean
Start	6774	End	7340
GI	5666795	Score	68
Exons	6774..6872, 6951..7085, 7140..7340		
GI Descrip.	4206306 2.0e-10 (AF049110) prpol [Zea mays]		

Seq. No.	31172	Seq. ID	OJ990729_12.9B19.C5
Gene No.	64539	Strand	-
Start	9350	End	9651
Name	OJ990729_12.9B19.C5.o7.tw	Method	TBLASTX:Wheat
Start	7088	End	7400
GI	none	Score	195
Exons	7088..7264, 7119..7289, 7140..7400		

Seq. No.	31172	Seq. ID	OJ990729_12.9B19.C5
Gene No.	64539	Strand	-
Start	9350	End	9651
Name	OJ990729_12.9B19.C5.o2.tm	Method	TBLASTX:Maize
Start	7593	End	7955
GI	none	Score	371
Exons	7593..7916, 7610..7903, 7713..7925, 7908..7955		

Seq. No.	31172	Seq. ID	OJ990729_12.9B19.C5
Gene No.	64539	Strand	-
Start	9350	End	9651
Name	OJ990729_12.9B19.C5.o3.tw	Method	TBLASTX:Wheat
Start	7730	End	8111
GI	none	Score	384
Exons	7730..8080, 7731..8111		

Seq. No.	31172	Seq. ID	OJ990729_12.9B19.C5
Gene No.	64539	Strand	-
Start	9350	End	9651
Name	OJ990729_12.9B19.C5.o5.tw	Method	TBLASTX:Wheat
Start	8112	End	8714
GI	none	Score	270
Exons	8112..8402, 8117..8401, 8499..8558, 8588..8614, 8589..8714, 8642..8710		

Seq. No.	31172	Seq. ID	OJ990729_12.9B19.C5

Gene No.	64539	Strand	-
Start	9350	End	9651
Name	OJ990729_12.9B19.C5.o5.tm	Method	TBLASTX:Maize
Start	8582	End	8726
GI	none	Score	185
Exons	8582..8722, 8583..8726		

Seq. No.	31172	Seq. ID	OJ990729_12.9B19.C5
Gene No.	64539	Strand	-
Start	9350	End	9651
Name	OJ990729_12.9B19.C5.o2.gs	Method	GENSCAN
Start	9350	End	9541
GI	none	Score	.97
Exons	9350..9541		

Seq. No.	31172	Seq. ID	OJ990729_12.9B19.C5
Gene No.	64539	Strand	-
Start	9350	End	9651
Name	OJ990729_12.9B19.C5.o2.np	Method	AAT/NAP
Start	9353	End	9651
GI	6907089	Score	416
Exons	9353..9651		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		

Seq. No.	31173	Seq. ID	OJ990729_12.9B19.C6
Gene No.	64540	Strand	-
Start	1	End	1335
Name	OJ990729_12.9B19.C6.o1.np	Method	AAT/NAP
Start	1	End	1335
GI	6539586	Score	1352
Exons	1..1335		
GI Descrip.	(AP000837) hypothetical protein [Oryza sativa]		

Seq. No.	31173	Seq. ID	OJ990729_12.9B19.C6
Gene No.	64540	Strand	-
Start	1	End	1335
Name	OJ990729_12.9B19.C6.o1.gs	Method	GENSCAN
Start	97	End	1240
GI	none	Score	.89
Exons	97..1240		

Seq. No.	31174	Seq. ID	OJ990729_12.9B19.C7
Gene No.	64541	Strand	-
Start	1	End	1333
Name	OJ990729_12.9B19.C7.o1.np	Method	AAT/NAP
Start	1	End	914
GI	6907089	Score	1476
Exons	1..914		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		

Seq. No.	31174	Seq. ID	OJ990729_12.9B19.C7
Gene No.	64541	Strand	-
Start	1	End	1333
Name	OJ990729_12.9B19.C7.o1.gs	Method	GENSCAN
Start	15	End	1333
GI	none	Score	.56
Exons	15..659, 861..933, 1104..1219, 1274..1333		

Seq. No.	31175	Seq. ID	OJ990729_12.9B19.C8
Gene No.	64542	Strand	+
Start	1	End	136
Name	OJ990729_12.9B19.C8.o1.np	Method	AAT/NAP
Start	1	End	136
GI	5042454	Score	75
Exons	1..136		
GI Descrip.	(AC007789) putative polyprotein [Oryza sativa]		

Seq. No.	31176	Seq. ID	OJ990729_12.9B19.C9
Gene No.	64543	Strand	+
Start	310	End	1676
Name	OJ990729_12.9B19.C9.o1.gs	Method	GENSCAN
Start	310	End	1676
GI	none	Score	.54
Exons	310..455, 1598..1676		

Seq. No.	31176	Seq. ID	OJ990729_12.9B19.C9
Gene No.	64544	Strand	+
Start	3150	End	6794
Name	OJ990729_12.9B19.C9.o1.gp	Method	AAT/GAP
Start	3076	End	3452
GI	5003144	Score	713
Exons	3076..3452		
GI Descrip.	4887010/gb\|AAD32141.1\|AF123503_1 1.0e-17 (AF123503) Nt-gh3 deduced protein [Nicotiana tabacum]		

Seq. No.	31176	Seq. ID	OJ990729_12.9B19.C9
Gene No.	64544	Strand	+
Start	3150	End	6794
Name	OJ990729_12.9B19.C9.o2.gs	Method	GENSCAN
Start	3150	End	6372
GI	none	Score	.97
Exons	3150..3499, 3668..3769, 4980..6372		

Seq. No.	31176	Seq. ID	OJ990729_12.9B19.C9
Gene No.	64544	Strand	+
Start	3150	End	6794
Name	OJ990729_12.9B19.C9.o1.np	Method	AAT/NAP
Start	3180	End	6372
GI	4887010	Score	2138
Exons	3180..3499, 3668..3769, 4980..6372		
GI Descrip.	(AF123503) Nt-gh3 deduced protein [Nicotiana tabacum]		

Seq. No.	31176	Seq. ID	OJ990729_12.9B19.C9
Gene No.	64544	Strand	+
Start	3150	End	6794
Name	OJ990729_12.9B19.C9.o2.ts	Method	TBLASTX:Soybean
Start	3225	End	5145
GI	none	Score	322
Exons	3225..3497, 3234..3425, 3263..3499, 3663..3776, 3665..3775, 4975..5136, 4981..5145, 4983..5144		

Seq. No.	31176	Seq. ID	OJ990729_12.9B19.C9
Gene No.	64544	Strand	+
Start	3150	End	6794

Name	OJ990729_12.9B19.C9.o2.tc	Method	TBLASTX:Cress
Start	3228	End	3719
GI	none	Score	304
Exons	3228..3497, 3234..3425, 3263..3499, 3663..3719		

Seq. No.	31176	Seq. ID	OJ990729_12.9B19.C9
Gene No.	64544	Strand	+
Start	3150	End	6794
Name	OJ990729_12.9B19.C9.o4.tm	Method	TBLASTX:Maize
Start	3234	End	3722
GI	none	Score	123
Exons	3234..3341, 3234..3353, 3345..3497, 3350..3499, 3663..3722		

Seq. No.	31176	Seq. ID	OJ990729_12.9B19.C9
Gene No.	64544	Strand	+
Start	3150	End	6794
Name	OJ990729_12.9B19.C9.o2.tw	Method	TBLASTX:Wheat
Start	4987	End	5136
GI	none	Score	191
Exons	4987..5097, 5007..5123, 5008..5136		

Seq. No.	31176	Seq. ID	OJ990729_12.9B19.C9
Gene No.	64544	Strand	+
Start	3150	End	6794
Name	OJ990729_12.9B19.C9.o2.tm	Method	TBLASTX:Maize
Start	5004	End	5379
GI	none	Score	333
Exons	5004..5201, 5005..5238, 5155..5226, 5233..5379, 5244..5357		

Seq. No.	31176	Seq. ID	OJ990729_12.9B19.C9
Gene No.	64544	Strand	+
Start	3150	End	6794
Name	OJ990729_12.9B19.C9.o1.ts	Method	TBLASTX:Soybean
Start	5145	End	6369
GI	none	Score	286
Exons	5145..5348, 5152..5379, 5419..5544, 5419..5541, 5421..5543, 5530..5679, 5538..5651, 5725..6042, 5745..5888, 5967..6038, 6093..6164, 6094..6156, 6166..6369, 6168..6365		

Seq. No.	31176	Seq. ID	OJ990729_12.9B19.C9
Gene No.	64544	Strand	+
Start	3150	End	6794
Name	OJ990729_12.9B19.C9.o1.tc	Method	TBLASTX:Cress
Start	5152	End	6369
GI	none	Score	222
Exons	5152..5337, 5154..5348, 5326..5433, 5431..5676, 5433..5651, 5725..6045, 5737..5889, 5745..6044, 6093..6164, 6094..6156, 6163..6369, 6168..6347		

Seq. No.	31176	Seq. ID	OJ990729_12.9B19.C9
Gene No.	64544	Strand	+
Start	3150	End	6794
Name	OJ990729_12.9B19.C9.o1.tw	Method	TBLASTX:Wheat
Start	5448	End	5817
GI	none	Score	85
Exons	5448..5540, 5449..5673, 5460..5651, 5722..5817, 5725..5817		

Seq. No.	31176	Seq. ID	OJ990729_12.9B19.C9
Gene No.	64544	Strand	+
Start	3150	End	6794
Name	OJ990729_12.9B19.C9.o3.tm	Method	TBLASTX:Maize
Start	5584	End	5852
GI	none	Score	131
Exons	5584..5667, 5596..5679, 5722..5850, 5725..5850, 5745..5852, 5769..5852		

Seq. No.	31176	Seq. ID	OJ990729_12.9B19.C9
Gene No.	64544	Strand	+
Start	3150	End	6794
Name	OJ990729_12.9B19.C9.o1.tm	Method	TBLASTX:Maize
Start	5853	End	6379
GI	none	Score	147
Exons	5853..6011, 5853..6044, 5854..6045, 6093..6371, 6094..6372, 6120..6206, 6332..6379		

Seq. No.	31176	Seq. ID	OJ990729_12.9B19.C9
Gene No.	64544	Strand	+
Start	3150	End	6794
Name	OJ990729_12.9B19.C9.o2.gp	Method	AAT/GAP
Start	5890	End	6794
GI	81061_1.R1084	Score	1710
Exons	5890..6794		
GI Descrip.	'2642446 2.0e-43 (AC002391) similar to auxin-responsive GH3 protein [Arabidopsis thaliana]'		

Seq. No.	31177	Seq. ID	OJ990729_12.9B19.C10
Gene No.	64545	Strand	-
Start	1	End	3806
Name	OJ990729_12.9B19.C10.o1.gp	Method	AAT/GAP
Start	1	End	1345
GI	25266_1.R1084	Score	820
Exons	1..245, 1038..1145, 1231..1345		
GI Descrip.	'4468980/emb\|CAB38294\| 7.0e-41 (AL035605) formamidase-like protein [Arabidopsis thaliana]'		

Seq. No.	31177	Seq. ID	OJ990729_12.9B19.C10
Gene No.	64545	Strand	-
Start	1	End	3806
Name	OJ990729_12.9B19.C10.o1.gs	Method	GENSCAN
Start	117	End	3806
GI	none	Score	.69
Exons	117..245, 1231..1474, 2081..2316, 2540..2730, 2812..3049, 3154..3375, 3753..3806		

Seq. No.	31177	Seq. ID	OJ990729_12.9B19.C10
Gene No.	64545	Strand	-
Start	1	End	3806
Name	OJ990729_12.9B19.C10.o1.np	Method	AAT/NAP
Start	126	End	3372
GI	4468980	Score	1675
Exons	126..245, 1038..1145, 1231..1474, 2081..2316, 2600..2730, 2812..3049, 3154..3372		
GI Descrip.	(AL035605) formamidase-like protein [Arabidopsis thaliana]		

Seq. No.	31177	Seq. ID	OJ990729_12.9B19.C10
Gene No.	64545	Strand	-
Start	1	End	3806
Name	OJ990729_12.9B19.C10.o2.gp	Method	AAT/GAP
Start	2589	End	3403
GI	13209_1.R1084	Score	1145
Exons	2589..2730, 2812..3049, 3154..3403		
GI Descrip.	'4468980/emb\|CAB38294\| 1.0e-81 (AL035605) formamidase-like protein [Arabidopsis thaliana]'		

Seq. No.	31177	Seq. ID	OJ990729_12.9B19.C10
Gene No.	64546	Strand	-
Start	4865	End	6313
Name	OJ990729_12.9B19.C10.o2.gs	Method	GENSCAN
Start	4865	End	6313
GI	none	Score	.99
Exons	4865..6313		

Seq. No.	31177	Seq. ID	OJ990729_12.9B19.C10
Gene No.	64546	Strand	-
Start	4865	End	6313
Name	OJ990729_12.9B19.C10.o2.np	Method	AAT/NAP
Start	4938	End	5797
GI	4544450	Score	553
Exons	4938..5797		
GI Descrip.	(AC006592) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	31177	Seq. ID	OJ990729_12.9B19.C10
Gene No.	64547	Strand	-
Start	7143	End	8496
Name	OJ990729_12.9B19.C10.o2.tm	Method	TBLASTX:Maize
Start	123	End	2205
GI	none	Score	136
Exons	123..245, 124..279, 128..259, 1022..1132, 1036..1143, 1038..1133, 1038..1148, 1042..1149, 1228..1488, 1229..1477, 2075..2203, 2078..2200, 2080..2205		

Seq. No.	31177	Seq. ID	OJ990729_12.9B19.C10
Gene No.	64547	Strand	-
Start	7143	End	8496
Name	OJ990729_12.9B19.C10.o2.tc	Method	TBLASTX:Cress
Start	129	End	1456
GI	none	Score	66
Exons	129..245, 138..248, 1038..1148, 1042..1149, 1225..1455, 1228..1455, 1229..1456		

Seq. No.	31177	Seq. ID	OJ990729_12.9B19.C10
Gene No.	64547	Strand	-
Start	7143	End	8496
Name	OJ990729_12.9B19.C10.o1.tm	Method	TBLASTX:Maize
Start	2532	End	3383
GI	none	Score	258
Exons	2532..2732, 2534..2737, 2535..2738, 2802..3050, 2802..3047, 2810..3049, 3127..3378, 3155..3376, 3156..3383		

Seq. No.	31177	Seq. ID	OJ990729_12.9B19.C10
Gene No.	64547	Strand	-

Start	7143	End	8496
Name	OJ990729_12.9B19.C10.o1.tc	Method	TBLASTX:Cress
Start	2823	End	3405
GI	none	Score	283
Exons	2823..3050, 2825..3049, 3119..3373, 3127..3372, 3175..3405		

Seq. No.	31177	Seq. ID	OJ990729_12.9B19.C10
Gene No.	64547	Strand	-
Start	7143	End	8496
Name	OJ990729_12.9B19.C10.o1.ts	Method	TBLASTX:Soybean
Start	2996	End	3373
GI	none	Score	56
Exons	2996..3046, 2997..3044, 3127..3372, 3128..3373		

Seq. No.	31177	Seq. ID	OJ990729_12.9B19.C10
Gene No.	64547	Strand	-
Start	7143	End	8496
Name	OJ990729_12.9B19.C10.o1.tw	Method	TBLASTX:Wheat
Start	3154	End	3352
GI	none	Score	277
Exons	3154..3351, 3155..3352		

Seq. No.	31177	Seq. ID	OJ990729_12.9B19.C10
Gene No.	64547	Strand	-
Start	7143	End	8496
Name	OJ990729_12.9B19.C10.o3.tm	Method	TBLASTX:Maize
Start	4940	End	5908
GI	none	Score	102
Exons	4940..5266, 4941..5267, 5273..5404, 5273..5476, 5273..5689, 5276..5404, 5351..5539, 5351..5596, 5373..5543, 5525..5689, 5654..5815, 5822..5908		

Seq. No.	31177	Seq. ID	OJ990729_12.9B19.C10
Gene No.	64547	Strand	-
Start	7143	End	8496
Name	OJ990729_12.9B19.C10.o2.ts	Method	TBLASTX:Soybean
Start	5138	End	5542
GI	none	Score	91
Exons	5138..5266, 5139..5270, 5282..5479, 5288..5479, 5477..5542		

Seq. No.	31177	Seq. ID	OJ990729_12.9B19.C10
Gene No.	64547	Strand	-
Start	7143	End	8496
Name	OJ990729_12.9B19.C10.o3.tc	Method	TBLASTX:Cress
Start	5153	End	5812
GI	none	Score	87
Exons	5153..5260, 5273..5371, 5279..5491, 5352..5606, 5375..5812, 5432..5605, 5513..5800, 5687..5797		

Seq. No.	31177	Seq. ID	OJ990729_12.9B19.C10
Gene No.	64547	Strand	-
Start	7143	End	8496
Name	OJ990729_12.9B19.C10.o2.tw	Method	TBLASTX:Wheat
Start	5234	End	5710
GI	none	Score	66
Exons	5234..5269, 5273..5710, 5298..5387, 5301..5690		

Seq. No.	31177	Seq. ID	OJ990729_12.9B19.C10
Gene No.	64547	Strand	-
Start	7143	End	8496
Name	OJ990729_12.9B19.C10.o3.gs	Method	GENSCAN
Start	7143	End	8496
GI	none	Score	.77
Exons	7143..7241, 7319..7420, 7720..7773, 7865..7928, 8280..8496		

Seq. No.	31178	Seq. ID	OJ990729_12.9B19.C12
Gene No.	64548	Strand	+
Start	1	End	2451
Name	OJ990729_12.9B19.C12.o1.np	Method	AAT/NAP
Start	1	End	2448
GI	1168940	Score	789
Exons	1..26, 608..903, 990..1076, 1543..1686, 1978..2070, 2215..2448		
GI Descrip.	CHORISMATE MUTASE PRECURSOR (CM-1) gi\|629509\|pir\|\|S38958 chorismate mutase precursor - Arabidopsis thaliana gi\|429153\|emb\|CAA81286\| (Z26519) chorismate mutase precursor [Arabidopsis thaliana]		

Seq. No.	31178	Seq. ID	OJ990729_12.9B19.C12
Gene No.	64548	Strand	+
Start	1	End	2451
Name	OJ990729_12.9B19.C12.o1.gs	Method	GENSCAN
Start	684	End	2451
GI	none	Score	.99
Exons	684..903, 990..1076, 1543..1686, 1978..2070, 2215..2451		

Seq. No.	31178	Seq. ID	OJ990729_12.9B19.C12
Gene No.	64548	Strand	+
Start	1	End	2451
Name	OJ990729_12.9B19.C12.o1.gp	Method	AAT/GAP
Start	729	End	1649
GI	LIB3432-049-P1-K1-C8	Score	660
Exons	729..903, 990..1076, 1543..1649		
GI Descrip.	'1168940/sp\|P42738\|CHMU_ARATH 9.0e-35 CHORISMATE MUTASE PRECURSOR (CM-1) >gi_629509_pir__S38958 chorismate mutase precursor - Arabidopsis thaliana >gi_429153_emb_CAA81286_ (Z26519) chorismate mutase precursor [Arabidopsis thaliana]'		

Seq. No.	31178	Seq. ID	OJ990729_12.9B19.C12
Gene No.	64549	Strand	-
Start	3668	End	5744
Name	OJ990729_12.9B19.C12.o2.tc	Method	TBLASTX:Cress
Start	622	End	2470
GI	none	Score	275
Exons	622..906, 700..876, 710..880, 741..893, 1541..1669, 1542..1679, 1542..1682, 1543..1692, 1933..2070, 1983..2069, 2212..2331, 2250..2330, 2287..2451, 2352..2468, 2383..2469, 2393..2470		

Seq. No.	31178	Seq. ID	OJ990729_12.9B19.C12
Gene No.	64549	Strand	-
Start	3668	End	5744
Name	OJ990729_12.9B19.C12.o2.tm	Method	TBLASTX:Maize
Start	683	End	2556
GI	none	Score	296
Exons	683..904, 688..906, 744..905, 983..1084, 987..1073, 988..1086,		

988..1083, 1541..1687, 1542..1706, 1543..1692, 1933..2070, 1975..2076, 2206..2451, 2212..2454, 2213..2458, 2232..2456, 2442..2501, 2467..2508, 2515..2556

Seq. No.	31178	Seq. ID	OJ990729_12.9B19.C12
Gene No.	64549	Strand	-
Start	3668	End	5744
Name	OJ990729_12.9B19.C12.o2.ts	Method	TBLASTX:Soybean
Start	691	End	848
GI	none	Score	198
Exons	691..846, 741..848, 765..848		

Seq. No.	31178	Seq. ID	OJ990729_12.9B19.C12
Gene No.	64549	Strand	-
Start	3668	End	5744
Name	OJ990729_12.9B19.C12.o1.ts	Method	TBLASTX:Soybean
Start	1579	End	2481
GI	none	Score	48
Exons	1579..1629, 1599..1685, 1617..1691, 1627..1692, 1637..1687, 1972..2070, 1977..2072, 1977..2069, 2212..2481, 2253..2450		

Seq. No.	31178	Seq. ID	OJ990729_12.9B19.C12
Gene No.	64549	Strand	-
Start	3668	End	5744
Name	OJ990729_12.9B19.C12.o2.gs	Method	GENSCAN
Start	3668	End	5744
GI	none	Score	.89
Exons	3668..3805, 3903..4017, 4778..4929, 5024..5172, 5585..5744		

Seq. No.	31178	Seq. ID	OJ990729_12.9B19.C12
Gene No.	64549	Strand	-
Start	3668	End	5744
Name	OJ990729_12.9B19.C12.o3.ts	Method	TBLASTX:Soybean
Start	3747	End	4891
GI	none	Score	66
Exons	3747..3836, 3758..3826, 3903..4010, 3903..4037, 4775..4885, 4777..4887, 4778..4891		

Seq. No.	31178	Seq. ID	OJ990729_12.9B19.C12
Gene No.	64549	Strand	-
Start	3668	End	5744
Name	OJ990729_12.9B19.C12.o1.tm	Method	TBLASTX:Maize
Start	3945	End	5173
GI	none	Score	76
Exons	3945..4025, 3946..4026, 3947..4027, 3947..4033, 4776..4841, 4777..4929, 4778..4930, 4839..4943, 4995..5159, 5021..5149, 5023..5172, 5101..5172, 5102..5173, 5102..5173		

Seq. No.	31178	Seq. ID	OJ990729_12.9B19.C12
Gene No.	64549	Strand	-
Start	3668	End	5744
Name	OJ990729_12.9B19.C12.o1.tc	Method	TBLASTX:Cress
Start	4795	End	5173
GI	none	Score	134
Exons	4795..4929, 4802..4930, 4839..4943, 4995..5168, 5021..5173, 5024..5170		

Seq. No.	31178	Seq. ID	OJ990729_12.9B19.C12
Gene No.	64549	Strand	-
Start	3668	End	5744
Name	OJ990729_12.9B19.C12.o4.ts	Method	TBLASTX:Soybean
Start	5021	End	5712
GI	none	Score	118
Exons	5021..5173, 5022..5180, 5580..5711, 5581..5712		

Seq. No.	31179	Seq. ID	OJ990729_12.9B19.C13
Gene No.	64550	Strand	+
Start	1	End	10922
Name	OJ990729_12.9B19.C13.o1.gs	Method	GENSCAN
Start	1	End	10922
GI	none	Score	.44
Exons	1..196, 1451..1560, 2127..2636, 6177..6371, 7473..7650, 8068..8229, 8460..8594, 9192..9333, 9530..9722, 10344..10468, 10650..10922		

Seq. No.	31180	Seq. ID	OJ990729_12.9B19.C14
Gene No.	64551	Strand	+
Start	1	End	1497
Name	OJ990729_12.9B19.C14.o1.np	Method	AAT/NAP
Start	1	End	1497
GI	6907086	Score	398
Exons	1..605, 867..1497		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		

Seq. No.	31181	Seq. ID	OJ990729_12.9B19.C16
Gene No.	64552	Strand	+
Start	283	End	3643
Name	OJ990729_12.9B19.C16.o1.gp	Method	AAT/GAP
Start	283	End	3643
GI	313_1.R1084	Score	982
Exons	283..525, 2453..2501, 3382..3643		
GI Descrip.	'3746581 1.0e-114 (AF062403) glutathione S-transferase II [Oryza sativa]'		

Seq. No.	31181	Seq. ID	OJ990729_12.9B19.C16
Gene No.	64552	Strand	+
Start	283	End	3643
Name	OJ990729_12.9B19.C16.o1.tw	Method	TBLASTX:Wheat
Start	325	End	3560
GI	none	Score	40
Exons	325..360, 366..542, 367..525, 449..526, 2451..2498, 2452..2490, 2453..2500, 3366..3560, 3368..3559		

Seq. No.	31181	Seq. ID	OJ990729_12.9B19.C16
Gene No.	64552	Strand	+
Start	283	End	3643
Name	OJ990729_12.9B19.C16.o1.tm	Method	TBLASTX:Maize
Start	351	End	3641
GI	none	Score	208
Exons	351..515, 352..525, 442..525, 452..526, 2446..2499, 2453..2500, 3366..3557, 3366..3548, 3368..3556, 3554..3580, 3621..3641		

Seq. No.	31181	Seq. ID	OJ990729_12.9B19.C16
Gene No.	64552	Strand	+

Start	283	End	3643
Name	OJ990729_12.9B19.C16.o1.np	Method	AAT/NAP
Start	376	End	3643
GI	3746581	Score	753
Exons	376..525, 2453..2501, 3382..3643		
GI Descrip.	(AF062403) glutathione S-transferase II [Oryza sativa]		

Seq. No.	31182	Seq. ID	OJ990729_12.9B19.C17
Gene No.	64553	Strand	+
Start	1	End	172
Name	OJ990729_12.9B19.C17.o1.np	Method	AAT/NAP
Start	1	End	172
GI	3746581	Score	288
Exons	1..172		
GI Descrip.	(AF062403) glutathione S-transferase II [Oryza sativa]		

Seq. No.	31182	Seq. ID	OJ990729_12.9B19.C17
Gene No.	64554	Strand	+
Start	1197	End	2404
Name	OJ990729_12.9B19.C17.o1.gs	Method	GENSCAN
Start	1197	End	2404
GI	none	Score	.73
Exons	1197..1415, 1511..1645, 1736..2095, 2217..2404		

Seq. No.	31182	Seq. ID	OJ990729_12.9B19.C17
Gene No.	64555	Strand	+
Start	3079	End	5754
Name	OJ990729_12.9B19.C17.o2.np	Method	AAT/NAP
Start	3074	End	5754
GI	6693020	Score	463
Exons	3074..3190, 3298..3585, 3704..4044, 4117..4456, 5722..5754		
GI Descrip.	(AC012375) T22C5.14 [Arabidopsis thaliana]		

Seq. No.	31182	Seq. ID	OJ990729_12.9B19.C17
Gene No.	64555	Strand	+
Start	3079	End	5754
Name	OJ990729_12.9B19.C17.o2.gs	Method	GENSCAN
Start	3079	End	4630
GI	none	Score	.9
Exons	3079..3585, 3704..4630		

Seq. No.	31182	Seq. ID	OJ990729_12.9B19.C17
Gene No.	64555	Strand	+
Start	3079	End	5754
Name	OJ990729_12.9B19.C17.o3.gp	Method	AAT/GAP
Start	3141	End	3404
GI	2427868	Score	512
Exons	3141..3404		

Seq. No.	31182	Seq. ID	OJ990729_12.9B19.C17
Gene No.	64555	Strand	+
Start	3079	End	5754
Name	OJ990729_12.9B19.C17.o4.gp	Method	AAT/GAP
Start	3783	End	4247
GI	uC-osflcyp158a07b1	Score	713
Exons	3783..4044, 4117..4247		
GI Descrip.	'4587550/gb\|AAD25781.1\|AC006577_17 4.0e-23 (AC006577) EST		

gb_R64848 comes from this gene. [Arabidopsis thaliana]'

Seq. No.	31182	Seq. ID	OJ990729_12.9B19.C17
Gene No.	64556	Strand	+
Start	17681	End	25279
Name	OJ990729_12.9B19.C17.o5.gs	Method	GENSCAN
Start	17681	End	21068
GI	none	Score	.51
Exons	17681..18290, 18337..18431, 19286..19374, 20495..21068		

Seq. No.	31182	Seq. ID	OJ990729_12.9B19.C17
Gene No.	64556	Strand	+
Start	17681	End	25279
Name	OJ990729_12.9B19.C17.o9.gp	Method	AAT/GAP
Start	20590	End	25279
GI	none	Score	1378
Exons	20590..21076, 25033..25279		

Seq. No.	31182	Seq. ID	OJ990729_12.9B19.C17
Gene No.	64556	Strand	+
Start	17681	End	25279
Name	OJ990729_12.9B19.C17.o5.np	Method	AAT/NAP
Start	20667	End	21065
GI	6562320	Score	354
Exons	20667..21065		
GI Descrip.	(AL133421) putative protein [Arabidopsis thaliana]		

Seq. No.	31182	Seq. ID	OJ990729_12.9B19.C17
Gene No.	64557	Strand	-
Start	1	End	416
Name	OJ990729_12.9B19.C17.o1.gp	Method	AAT/GAP
Start	1	End	416
GI	313_1.R1084	Score	815
Exons	1..416		
GI Descrip.	'3746581 1.0e-114 (AF062403) glutathione S-transferase II [Oryza sativa]'		

Seq. No.	31182	Seq. ID	OJ990729_12.9B19.C17
Gene No.	64558	Strand	-
Start	5262	End	11187
Name	OJ990729_12.9B19.C17.o5.gp	Method	AAT/GAP
Start	5142	End	5679
GI	2799912	Score	954
Exons	5142..5679		
GI Descrip.	4587550/gb\|AAD25781.1\|AC006577_17 4.0e-23 (AC006577) EST gb_R64848 comes from this gene. [Arabidopsis thaliana]		

Seq. No.	31182	Seq. ID	OJ990729_12.9B19.C17
Gene No.	64558	Strand	-
Start	5262	End	11187
Name	OJ990729_12.9B19.C17.o3.np	Method	AAT/NAP
Start	5253	End	7147
GI	100226	Score	753
Exons	5253..7147		
GI Descrip.	hypothetical protein - tomato gi\|19275\|emb\|CAA78112\| (Z12127) protein of unknown function [Lycopersicon esculentum] gi\|445619\|prf\|\|1909366A Leu zipper protein [Lycopersicon		

esculentum]

Seq. No.	31182	Seq. ID	OJ990729_12.9B19.C17
Gene No.	64558	Strand	-
Start	5262	End	11187
Name	OJ990729_12.9B19.C17.o3.gs	Method	GENSCAN
Start	5262	End	11154
GI	none	Score	.63
Exons	5262..6908, 8196..8308, 8595..8895, 9715..9974, 10104..10277, 11112..11154		

Seq. No.	31182	Seq. ID	OJ990729_12.9B19.C17
Gene No.	64558	Strand	-
Start	5262	End	11187
Name	OJ990729_12.9B19.C17.o6.gp	Method	AAT/GAP
Start	9808	End	11187
GI	none	Score	668
Exons	9808..9974, 10104..10234, 11112..11187		

Seq. No.	31182	Seq. ID	OJ990729_12.9B19.C17
Gene No.	64559	Strand	-
Start	11837	End	17983
Name	OJ990729_12.9B19.C17.o6.tm	Method	TBLASTX:Maize
Start	1	End	196
GI	none	Score	241
Exons	1..171, 2..196, 3..182		

Seq. No.	31182	Seq. ID	OJ990729_12.9B19.C17
Gene No.	64559	Strand	-
Start	11837	End	17983
Name	OJ990729_12.9B19.C17.o5.tm	Method	TBLASTX:Maize
Start	1729	End	1981
GI	none	Score	230
Exons	1729..1755, 1730..1912, 1837..1905, 1851..1907, 1889..1981, 1909..1977		

Seq. No.	31182	Seq. ID	OJ990729_12.9B19.C17
Gene No.	64559	Strand	-
Start	11837	End	17983
Name	OJ990729_12.9B19.C17.o2.tc	Method	TBLASTX:Cress
Start	1730	End	1978
GI	none	Score	235
Exons	1730..1927, 1931..1978		

Seq. No.	31182	Seq. ID	OJ990729_12.9B19.C17
Gene No.	64559	Strand	-
Start	11837	End	17983
Name	OJ990729_12.9B19.C17.o4.ts	Method	TBLASTX:Soybean
Start	1742	End	1990
GI	none	Score	231
Exons	1742..1951, 1931..1990		

Seq. No.	31182	Seq. ID	OJ990729_12.9B19.C17
Gene No.	64559	Strand	-
Start	11837	End	17983
Name	OJ990729_12.9B19.C17.o6.ts	Method	TBLASTX:Soybean
Start	3668	End	4213

GI	none	Score	95
Exons	3668..3841, 3721..3825, 3866..4003, 4111..4134, 4139..4213		

Seq. No.	31182	Seq. ID	OJ990729_12.9B19.C17
Gene No.	64559	Strand	-
Start	11837	End	17983
Name	OJ990729_12.9B19.C17.o1.tm	Method	TBLASTX:Maize
Start	4177	End	4576
GI	none	Score	578
Exons	4177..4575, 4178..4576		

Seq. No.	31182	Seq. ID	OJ990729_12.9B19.C17
Gene No.	64559	Strand	-
Start	11837	End	17983
Name	OJ990729_12.9B19.C17.o3.ts	Method	TBLASTX:Soybean
Start	4258	End	4600
GI	none	Score	114
Exons	4258..4344, 4259..4360, 4373..4510, 4384..4488, 4505..4600		

Seq. No.	31182	Seq. ID	OJ990729_12.9B19.C17
Gene No.	64559	Strand	-
Start	11837	End	17983
Name	OJ990729_12.9B19.C17.o1.ts	Method	TBLASTX:Soybean
Start	5277	End	5858
GI	none	Score	214
Exons	5277..5534, 5568..5858		

Seq. No.	31182	Seq. ID	OJ990729_12.9B19.C17
Gene No.	64559	Strand	-
Start	11837	End	17983
Name	OJ990729_12.9B19.C17.o1.tc	Method	TBLASTX:Cress
Start	5385	End	6152
GI	none	Score	148
Exons	5385..5513, 5568..5702, 5706..5825, 5898..6152		

Seq. No.	31182	Seq. ID	OJ990729_12.9B19.C17
Gene No.	64559	Strand	-
Start	11837	End	17983
Name	OJ990729_12.9B19.C17.o1.tw	Method	TBLASTX:Wheat
Start	5425	End	5864
GI	none	Score	499
Exons	5425..5856, 5425..5853, 5427..5855, 5772..5864		

Seq. No.	31182	Seq. ID	OJ990729_12.9B19.C17
Gene No.	64559	Strand	-
Start	11837	End	17983
Name	OJ990729_12.9B19.C17.o2.tm	Method	TBLASTX:Maize
Start	5512	End	6306
GI	none	Score	71
Exons	5512..5691, 5541..5816, 5898..6302, 6037..6084, 6113..6193, 6169..6306		

Seq. No.	31182	Seq. ID	OJ990729_12.9B19.C17
Gene No.	64559	Strand	-
Start	11837	End	17983
Name	OJ990729_12.9B19.C17.o2.ts	Method	TBLASTX:Soybean
Start	6135	End	6560

GI	none	Score	64
Exons	6135..6278, 6169..6303, 6303..6560		

Seq. No.	31182	Seq. ID	OJ990729_12.9B19.C17
Gene No.	64559	Strand	-
Start	11837	End	17983
Name	OJ990729_12.9B19.C17.o3.tc	Method	TBLASTX:Cress
Start	6153	End	6560
GI	none	Score	203
Exons	6153..6560		

Seq. No.	31182	Seq. ID	OJ990729_12.9B19.C17
Gene No.	64559	Strand	-
Start	11837	End	17983
Name	OJ990729_12.9B19.C17.o2.tw	Method	TBLASTX:Wheat
Start	6819	End	7079
GI	none	Score	228
Exons	6819..7079, 6820..7056, 6830..7078		

Seq. No.	31182	Seq. ID	OJ990729_12.9B19.C17
Gene No.	64559	Strand	-
Start	11837	End	17983
Name	OJ990729_12.9B19.C17.o7.gp	Method	AAT/GAP
Start	11756	End	12667
GI	none	Score	822
Exons	11756..12073, 12553..12667		

Seq. No.	31182	Seq. ID	OJ990729_12.9B19.C17
Gene No.	64559	Strand	-
Start	11837	End	17983
Name	OJ990729_12.9B19.C17.o4.tm	Method	TBLASTX:Maize
Start	11834	End	15817
GI	none	Score	190
Exons	11834..12010, 11834..12061, 11835..12062, 12550..12711, 12551..12709, 12593..12715, 12863..13108, 12867..13121, 12868..13086, 13575..13712, 13606..13755, 13636..13749, 14018..14119, 14032..14121, 14033..14125, 14040..14129, 14890..15069, 14890..15072, 15624..15785, 15626..15817, 15632..15790		

Seq. No.	31182	Seq. ID	OJ990729_12.9B19.C17
Gene No.	64559	Strand	-
Start	11837	End	17983
Name	OJ990729_12.9B19.C17.o4.gs	Method	GENSCAN
Start	11837	End	16428
GI	none	Score	.84
Exons	11837..12073, 12553..12708, 12867..13085, 13644..13753, 14044..14118, 14889..15072, 15624..15753, 16421..16428		

Seq. No.	31182	Seq. ID	OJ990729_12.9B19.C17
Gene No.	64559	Strand	-
Start	11837	End	17983
Name	OJ990729_12.9B19.C17.o4.np	Method	AAT/NAP
Start	11840	End	15816
GI	6939233	Score	1171
Exons	11840..12073, 12553..12708, 12867..13085, 13644..13748, 14039..14118, 14889..15072, 15624..15816		

GI Descrip.	(AC020579) putative glycerophosphodiester phosphodiesterase [Arabidopsis thaliana]		
Seq. No.	31182	Seq. ID	OJ990729_12.9B19.C17
Gene No.	64559	Strand	-
Start	11837	End	17983
Name	OJ990729_12.9B19.C17.o5.ts	Method	TBLASTX:Soybean
Start	12047	End	13016
GI	none	Score	62
Exons	12047..12082, 12550..12612, 12550..12711, 12551..12709, 12599..12712, 12867..13016, 12874..13005		
Seq. No.	31182	Seq. ID	OJ990729_12.9B19.C17
Gene No.	64559	Strand	-
Start	11837	End	17983
Name	OJ990729_12.9B19.C17.o8.gp	Method	AAT/GAP
Start	14916	End	17983
GI	31217_1.R1084	Score	1043
Exons	14916..15072, 15624..15802, 17770..17983		
GI Descrip.	'1781115/emb\|CAB06224\| 2.0e-10 (Z83864) glpQ1 [Mycobacterium tuberculosis]'		
Seq. No.	31182	Seq. ID	OJ990729_12.9B19.C17
Gene No.	64559	Strand	-
Start	11837	End	17983
Name	OJ990729_12.9B19.C17.o7.ts	Method	TBLASTX:Soybean
Start	14923	End	15791
GI	none	Score	71
Exons	14923..15072, 14999..15073, 15624..15791, 15640..15708		
Seq. No.	31182	Seq. ID	OJ990729_12.9B19.C17
Gene No.	64560	Strand	
Start	20562	End	25166
Name	OJ990729_12.9B19.C17.o3.tm	Method	TBLASTX:Maize
Start	20562	End	25166
GI	none	Score	216
Exons	20562..20600, 20693..20821, 20694..20834, 20837..20887, 20841..20891, 20943..21068, 20960..21067, 25042..25092, 25125..25166		
Seq. No.	31183	Seq. ID	OJ990729_12.9B19.C18
Gene No.	64561	Strand	+
Start	14788	End	23980
Name	OJ990729_12.9B19.C18.o1.np	Method	AAT/NAP
Start	14460	End	16798
GI	6041802	Score	300
Exons	14460..14553, 14828..15187, 16758..16798		
GI Descrip.	(AC009755) unknown protein [Arabidopsis thaliana] gi\|6513919\|gb\|AAF14823.1\|AC011664_5 (AC011664) unknown protein [Arabidopsis thaliana]		
Seq. No.	31183	Seq. ID	OJ990729_12.9B19.C18
Gene No.	64561	Strand	+
Start	14788	End	23980
Name	OJ990729_12.9B19.C18.o4.gs	Method	GENSCAN
Start	14788	End	23980
GI	none	Score	.73

Exons	14788..15475, 15700..15768, 20676..20765, 21149..21304, 23823..23980		
Seq. No.	31183	Seq. ID	OJ990729_12.9B19.C18
Gene No.	64561	Strand	+
Start	14788	End	23980
Name	OJ990729_12.9B19.C18.o3.gp	Method	AAT/GAP
Start	22165	End	22273
GI	4879971	Score	124
Exons	22165..22273		
Seq. No.	31183	Seq. ID	OJ990729_12.9B19.C18
Gene No.	64562	Strand	+
Start	28218	End	31291
Name	OJ990729_12.9B19.C18.o6.gs	Method	GENSCAN
Start	28218	End	31101
GI	none	Score	.86
Exons	28218..28447, 28563..28648, 28658..28764, 28769..29012, 29063..29181, 29847..29894, 30937..31101		
Seq. No.	31183	Seq. ID	OJ990729_12.9B19.C18
Gene No.	64562	Strand	+
Start	28218	End	31291
Name	OJ990729_12.9B19.C18.o5.gp	Method	AAT/GAP
Start	28877	End	31291
GI	16640_1.R1084	Score	1373
Exons	28877..29012, 29099..29181, 29275..29313, 29420..29472, 29561..29624, 29729..29771, 29847..29894, 30937..31291		
GI Descrip.	'6041796/gb\|AAF02116.1\|AC009755_9 5.0e-24 (AC009755) unknown protein [Arabidopsis thaliana]'		
Seq. No.	31183	Seq. ID	OJ990729_12.9B19.C18
Gene No.	64562	Strand	+
Start	28218	End	31291
Name	OJ990729_12.9B19.C18.o2.np	Method	AAT/NAP
Start	28933	End	31049
GI	6041796	Score	319
Exons	28933..29012, 29099..29181, 29275..29313, 29420..29472, 29561..29624, 29729..29771, 29847..29894, 30937..31049		
GI Descrip.	(AC009755) unknown protein [Arabidopsis thaliana]		
Seq. No.	31183	Seq. ID	OJ990729_12.9B19.C18
Gene No.	64563	Strand	+
Start	32374	End	32994
Name	OJ990729_12.9B19.C18.o7.gs	Method	GENSCAN
Start	32374	End	32994
GI	none	Score	.97
Exons	32374..32615, 32649..32994		
Seq. No.	31183	Seq. ID	OJ990729_12.9B19.C18
Gene No.	64564	Strand	+
Start	33947	End	34395
Name	OJ990729_12.9B19.C18.o6.gp	Method	AAT/GAP
Start	33947	End	34395
GI	none	Score	820
Exons	33947..34395		

Seq. No.	31183	Seq. ID	OJ990729_12.9B19.C18
Gene No.	64565	Strand	-
Start	8334	End	9240
Name	OJ990729_12.9B19.C18.o2.gs	Method	GENSCAN
Start	8334	End	9240
GI	none	Score	.49
Exons	8334..8462, 8570..8670, 9147..9240		

Seq. No.	31183	Seq. ID	OJ990729_12.9B19.C18
Gene No.	64566	Strand	-
Start	14841	End	15263
Name	OJ990729_12.9B19.C18.o1.gp	Method	AAT/GAP
Start	14841	End	15263
GI	uC-osrocyp034e01a1	Score	842
Exons	14841..15263		
GI Descrip.	'6041802/gb\|AAF02122.1\|AC009755_15 3.0e-33 (AC009755) unknown protein [Arabidopsis thaliana]'		

Seq. No.	31183	Seq. ID	OJ990729_12.9B19.C18
Gene No.	64567	Strand	-
Start	15666	End	16126
Name	OJ990729_12.9B19.C18.o2.gp	Method	AAT/GAP
Start	15666	End	16126
GI	2428996	Score	872
Exons	15666..16126		

Seq. No.	31183	Seq. ID	OJ990729_12.9B19.C18
Gene No.	64568	Strand	-
Start	24665	End	28104
Name	OJ990729_12.9B19.C18.o5.gs	Method	GENSCAN
Start	24665	End	26526
GI	none	Score	.77
Exons	24665..24688, 25026..25064, 25670..25798, 26425..26526		

Seq. No.	31183	Seq. ID	OJ990729_12.9B19.C18
Gene No.	64568	Strand	-
Start	24665	End	28104
Name	OJ990729_12.9B19.C18.o4.gp	Method	AAT/GAP
Start	25222	End	28104
GI	none	Score	738
Exons	25222..25248, 26091..26129, 26425..26535, 27792..27911, 27993..28104		

Seq. No.	31183	Seq. ID	OJ990729_12.9B19.C18
Gene No.	64569	Strand	-
Start	33202	End	37194
Name	OJ990729_12.9B19.C18.o8.gs	Method	GENSCAN
Start	33202	End	37194
GI	none	Score	.66
Exons	33202..33312, 33750..33861, 34110..34447, 34651..34750, 34805..34896, 37153..37194		

Seq. No.	31183	Seq. ID	OJ990729_12.9B19.C18
Gene No.	64570	Strand	-
Start	37363	End	37795
Name	OJ990729_12.9B19.C18.o7.gp	Method	AAT/GAP
Start	37363	End	37795

GI	LIB3477-003-P1-K1-E9	Score	113
Exons	37363..37441, 37774..37795		
GI Descrip.	'2498586/sp\|Q40638\|MPO1_ORYSA 2.0e-24 MAJOR POLLEN ALLERGEN ORY S 1 PRECURSOR (ORY S I) >gi_1173557 (U31771) Ory s 1 [Oryza sativa]'		

Seq. No.	31183	Seq. ID	OJ990729_12.9B19.C18
Gene No.	64571	Strand	-
Start	38942	End	39657
Name	OJ990729_12.9B19.C18.o1.ts	Method	TBLASTX:Soybean
Start	14887	End	15138
GI	5606956	Score	354
Exons	14887..15138, 14892..15107		
GI Descrip.	-		

Seq. No.	31183	Seq. ID	OJ990729_12.9B19.C18
Gene No.	64571	Strand	-
Start	38942	End	39657
Name	OJ990729_12.9B19.C18.o4.tm	Method	TBLASTX:Maize
Start	14904	End	15053
GI	none	Score	215
Exons	14904..15053, 14905..15051		

Seq. No.	31183	Seq. ID	OJ990729_12.9B19.C18
Gene No.	64571	Strand	-
Start	38942	End	39657
Name	OJ990729_12.9B19.C18.o1.tc	Method	TBLASTX:Cress
Start	14913	End	15138
GI	none	Score	260
Exons	14913..15107, 14920..15138		

Seq. No.	31183	Seq. ID	OJ990729_12.9B19.C18
Gene No.	64571	Strand	-
Start	38942	End	39657
Name	OJ990729_12.9B19.C18.o2.tw	Method	TBLASTX:Wheat
Start	15399	End	15735
GI	none	Score	57
Exons	15399..15440, 15403..15441, 15451..15513, 15474..15512, 15508..15618, 15510..15530, 15555..15599, 15598..15711, 15598..15735		

Seq. No.	31183	Seq. ID	OJ990729_12.9B19.C18
Gene No.	64571	Strand	-
Start	38942	End	39657
Name	OJ990729_12.9B19.C18.o3.tm	Method	TBLASTX:Maize
Start	26423	End	28150
GI	none	Score	158
Exons	26423..26563, 26423..26548, 26425..26553, 27789..27911, 27799..27912, 27987..28070, 27994..28083, 28070..28150, 28073..28126		

Seq. No.	31183	Seq. ID	OJ990729_12.9B19.C18
Gene No.	64571	Strand	-
Start	38942	End	39657
Name	OJ990729_12.9B19.C18.o1.tm	Method	TBLASTX:Maize
Start	28908	End	29888
GI	none	Score	37

Exons	28908..28952, 28923..28952, 28930..28953, 28946..29014, 28947..29012, 28955..29014, 29092..29187, 29099..29188, 29272..29316, 29273..29311, 29423..29485, 29433..29468, 29558..29623, 29559..29624, 29563..29625, 29728..29775, 29844..29888		

Seq. No.	31183	Seq. ID	OJ990729_12.9B19.C18
Gene No.	64571	Strand	-
Start	38942	End	39657
Name	OJ990729_12.9B19.C18.o2.ts	Method	TBLASTX:Soybean
Start	28929	End	31086
GI	none	Score	113
Exons	28929..29012, 28946..29014, 29092..29175, 29099..29188, 29273..29311, 29433..29474, 29563..29625, 30922..31086		

Seq. No.	31183	Seq. ID	OJ990729_12.9B19.C18
Gene No.	64571	Strand	-
Start	38942	End	39657
Name	OJ990729_12.9B19.C18.o2.tc	Method	TBLASTX:Cress
Start	28946	End	31047
GI	none	Score	89
Exons	28946..29014, 28947..29012, 29092..29187, 29099..29188, 29273..29311, 29433..29474, 29563..29625, 30982..31047		

Seq. No.	31183	Seq. ID	OJ990729_12.9B19.C18
Gene No.	64571	Strand	-
Start	38942	End	39657
Name	OJ990729_12.9B19.C18.o1.tw	Method	TBLASTX:Wheat
Start	28959	End	29584
GI	none	Score	94
Exons	28959..29012, 28964..29014, 28964..29014, 29092..29187, 29099..29188, 29272..29316, 29273..29311, 29423..29488, 29433..29474, 29552..29584		

Seq. No.	31183	Seq. ID	OJ990729_12.9B19.C18
Gene No.	64571	Strand	-
Start	38942	End	39657
Name	OJ990729_12.9B19.C18.o2.tm	Method	TBLASTX:Maize
Start	34107	End	34393
GI	none	Score	307
Exons	34107..34385, 34136..34393		

Seq. No.	31183	Seq. ID	OJ990729_12.9B19.C18
Gene No.	64571	Strand	-
Start	38942	End	39657
Name	OJ990729_12.9B19.C18.o9.gs	Method	GENSCAN
Start	38942	End	39657
GI	none	Score	.81
Exons	38942..39528, 39561..39657		

Seq. No.	31184	Seq. ID	OJ990729_12.9B19.C19
Gene No.	64572	Strand	+
Start	735	End	2865
Name	OJ990729_12.9B19.C19.o1.gs	Method	GENSCAN
Start	735	End	2865
GI	none	Score	.85
Exons	735..1008, 1160..1248, 1594..1630, 2343..2404, 2500..2613,		

2842..2865

Seq. No.	31185	Seq. ID	OJ990729_12.9B19.C20
Gene No.	64573	Strand	-
Start	348	End	519
Name	OJ990729_12.9B19.C20.o1.gs	Method	GENSCAN
Start	348	End	519
GI	none	Score	.5
Exons	348..519		

Seq. No.	31186	Seq. ID	OJ990709_14.9B05.C1
Gene No.	64574	Strand	+
Start	570	End	638
Name	OJ990709_14.9B05.C1.o1.gp	Method	AAT/GAP
Start	570	End	638
GI	3761181	Score	127
Exons	570..638		
GI Descrip.	4521193/dbj\|AB013450.1\|AB013450 1.0e-99 Oryza sativa DNA, similar sequence to Pib gene		

Seq. No.	31186	Seq. ID	OJ990709_14.9B05.C1
Gene No.	64575	Strand	-
Start	339	End	525
Name	OJ990709_14.9B05.C1.o1.gs	Method	GENSCAN
Start	339	End	525
GI	none	Score	.56
Exons	339..525		

Seq. No.	31187	Seq. ID	OJ990709_14.9B05.C2
Gene No.	64576	Strand	-
Start	1	End	823
Name	OJ990709_14.9B05.C2.o1.np	Method	AAT/NAP
Start	1	End	823
GI	5852179	Score	427
Exons	1..55, 266..504, 579..823		
GI Descrip.	(AL117265) zhb0009.1 [Oryza sativa]		

Seq. No.	31187	Seq. ID	OJ990709_14.9B05.C2
Gene No.	64576	Strand	-
Start	1	End	823
Name	OJ990709_14.9B05.C2.o1.gs	Method	GENSCAN
Start	92	End	698
GI	none	Score	.85
Exons	92..235, 266..532, 555..698		

Seq. No.	31188	Seq. ID	OJ990709_14.9B05.C3
Gene No.	64577	Strand	+
Start	1818	End	17833
Name	OJ990709_14.9B05.C3.o1.gs	Method	GENSCAN
Start	1818	End	14629
GI	none	Score	.82
Exons	1818..1907, 3025..3155, 4220..4339, 4417..4546, 4811..4864, 5768..5842, 6056..6124, 8198..8369, 8650..8804, 8899..9012, 9601..9826, 10437..10537, 10619..10696, 10779..10871, 10964..10993, 11234..11575, 11652..11733, 11807..11902, 11978..12157, 12238..12321, 13099..13269, 13358..13521, 14201..14629		

Seq. No.	31188	Seq. ID	OJ990709_14.9B05.C3
Gene No.	64577	Strand	+
Start	1818	End	17833
Name	OJ990709_14.9B05.C3.o1.gp	Method	AAT/GAP
Start	6161	End	6223
GI	4715947	Score	74
Exons	6161..6223		
GI Descrip.	2252840 3.0e-09 (AF013293) contains regions of similarity to Haemophilus influenzae permease (SP:P38767) [Arabidopsis thaliana] >gi_6049882_gb_AAF02797.1_AF195115_17 (AF195115) contains regions of similarity to Haemophilus influenzae permease (SP:P38767) [Arabidopsis thaliana]		

Seq. No.	31188	Seq. ID	OJ990709_14.9B05.C3
Gene No.	64577	Strand	+
Start	1818	End	17833
Name	OJ990709_14.9B05.C3.o1.np	Method	AAT/NAP
Start	7813	End	17833
GI	6633835	Score	1641
Exons	7813..7945, 8668..8795, 8902..9012, 9625..9729, 10262..10369, 10454..10537, 10619..10704, 10826..10897, 11237..11575, 11652..11733, 11807..11902, 11978..12344, 12490..12693, 12766..12932, 13016..13269, 13358..13521, 14201..14272, 17748..17833		
GI Descrip.	(AC008047) F2K11.1 [Arabidopsis thaliana]		

Seq. No.	31188	Seq. ID	OJ990709_14.9B05.C3
Gene No.	64577	Strand	+
Start	1818	End	17833
Name	OJ990709_14.9B05.C3.o2.gp	Method	AAT/GAP
Start	7881	End	8153
GI	2427384	Score	480
Exons	7881..8153		

Seq. No.	31188	Seq. ID	OJ990709_14.9B05.C3
Gene No.	64577	Strand	+
Start	1818	End	17833
Name	OJ990709_14.9B05.C3.o3.gp	Method	AAT/GAP
Start	9600	End	11015
GI	3761361	Score	1013
Exons	9600..9826, 10272..10369, 10455..10537, 10619..10696, 10779..10871, 10964..11015		

Seq. No.	31188	Seq. ID	OJ990709_14.9B05.C3
Gene No.	64577	Strand	+
Start	1818	End	17833
Name	OJ990709_14.9B05.C3.o4.gp	Method	AAT/GAP
Start	11489	End	11749
GI	LIB3479-008-Q6-K1-F3	Score	292
Exons	11489..11575, 11652..11749		
GI Descrip.	'6015437/dbj\|AB008112.1\|AB008112 6.0e-11 Homo sapiens PEX1 mRNA, complete cds'		

Seq. No.	31188	Seq. ID	OJ990709_14.9B05.C3
Gene No.	64577	Strand	+
Start	1818	End	17833

Name	OJ990709_14.9B05.C3.o5.gp	Method	AAT/GAP
Start	13444	End	14836
GI	LIB3433-030-P1-K1-C5	Score	991
Exons	13444..13521, 14201..14592, 14763..14836		
GI Descrip.	'6016845/dbj\|AP000570.1\|AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		

Seq. No.	31188	Seq. ID	OJ990709_14.9B05.C3
Gene No.	64578	Strand	+
Start	24974	End	25383
Name	OJ990709_14.9B05.C3.o6.gp	Method	AAT/GAP
Start	24974	End	25383
GI	5816562	Score	612
Exons	24974..25383		
GI Descrip.	6016845/dbj\|AP000570.1\|AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10		

Seq. No.	31188	Seq. ID	OJ990709_14.9B05.C3
Gene No.	64579	Strand	+
Start	26431	End	28656
Name	OJ990709_14.9B05.C3.o3.gs	Method	GENSCAN
Start	26431	End	28590
GI	none	Score	.93
Exons	26431..27315, 27402..27646, 27771..28129, 28207..28394, 28483..28590		

Seq. No.	31188	Seq. ID	OJ990709_14.9B05.C3
Gene No.	64579	Strand	+
Start	26431	End	28656
Name	OJ990709_14.9B05.C3.o5.np	Method	AAT/NAP
Start	26431	End	28656
GI	6691716	Score	1872
Exons	26431..27319, 27517..27694, 27771..27867, 27944..28129, 28207..28394, 28469..28656		
GI Descrip.	(AP000492) hypothetical protein [Oryza sativa] gi\|6691717\|dbj\|BAA89397.1\| (AP000570) hypothetical protein [Oryza sativa]		

Seq. No.	31188	Seq. ID	OJ990709_14.9B05.C3
Gene No.	64580	Strand	-
Start	15228	End	25402
Name	OJ990709_14.9B05.C3.o4.tm	Method	TBLASTX:Maize
Start	2519	End	3319
GI	none	Score	89
Exons	2519..2587, 2524..2592, 2526..2588, 2528..2590, 3022..3156, 3022..3141, 3023..3154, 3024..3155, 3248..3319, 3252..3317		

Seq. No.	31188	Seq. ID	OJ990709_14.9B05.C3
Gene No.	64580	Strand	-
Start	15228	End	25402
Name	OJ990709_14.9B05.C3.o1.tc	Method	TBLASTX:Cress
Start	8908	End	13539
GI	none	Score	74
Exons	8908..9012, 11805..11903, 11806..11904, 11970..12143, 11971..12156, 12236..12331, 12240..12344, 12505..12666, 12516..12650, 12795..12902, 12796..12912, 13014..13304, 13014..13259, 13022..13270, 13356..13460, 13357..13524,		

13369..13539

Seq. No.	31188	Seq. ID	OJ990709_14.9B05.C3
Gene No.	64580	Strand	-
Start	15228	End	25402
Name	OJ990709_14.9B05.C3.o2.tc	Method	TBLASTX:Cress
Start	10285	End	10877
GI	none	Score	84
Exons	10285..10398, 10286..10375, 10447..10539, 10451..10540, 10616..10738, 10634..10705, 10767..10877, 10774..10866		

Seq. No.	31188	Seq. ID	OJ990709_14.9B05.C3
Gene No.	64580	Strand	-
Start	15228	End	25402
Name	OJ990709_14.9B05.C3.o5.tm	Method	TBLASTX:Maize
Start	10484	End	10853
GI	none	Score	76
Exons	10484..10537, 10489..10536, 10612..10647, 10613..10696, 10776..10850, 10779..10853, 10781..10852		

Seq. No.	31188	Seq. ID	OJ990709_14.9B05.C3
Gene No.	64580	Strand	-
Start	15228	End	25402
Name	OJ990709_14.9B05.C3.o2.tm	Method	TBLASTX:Maize
Start	11228	End	12168
GI	none	Score	358
Exons	11228..11575, 11238..11429, 11239..11577, 11275..11577, 11657..11734, 11804..11902, 11805..11846, 11805..11903, 11806..11904, 11971..12168, 11976..12167		

Seq. No.	31188	Seq. ID	OJ990709_14.9B05.C3
Gene No.	64580	Strand	-
Start	15228	End	25402
Name	OJ990709_14.9B05.C3.o3.ts	Method	TBLASTX:Soybean
Start	11806	End	12667
GI	none	Score	98
Exons	11806..11904, 11959..12054, 11970..12047, 12106..12168, 12236..12331, 12237..12344, 12277..12339, 12505..12666, 12506..12667, 12520..12666		

Seq. No.	31188	Seq. ID	OJ990709_14.9B05.C3
Gene No.	64580	Strand	-
Start	15228	End	25402
Name	OJ990709_14.9B05.C3.o1.tm	Method	TBLASTX:Maize
Start	12231	End	14856
GI	none	Score	87
Exons	12231..12344, 12232..12342, 12237..12344, 12489..12662, 12489..12662, 12490..12666, 12730..12912, 12761..12928, 12762..12929, 12762..12902, 12763..12930, 13012..13269, 13013..13270, 13014..13277, 13017..13277, 13343..13474, 13348..13524, 13356..13577, 14196..14243, 14198..14287, 14199..14255, 14239..14313, 14240..14314, 14715..14855, 14766..14855, 14797..14856		

Seq. No.	31188	Seq. ID	OJ990709_14.9B05.C3
Gene No.	64580	Strand	-
Start	15228	End	25402

Name	OJ990709_14.9B05.C3.o1.ts	Method	TBLASTX:Soybean
Start	12784	End	13421
GI	none	Score	138
Exons	12784..12912, 12798..12902, 13013..13270, 13014..13304, 13344..13421, 13357..13419		

Seq. No.	31188	Seq. ID	OJ990709_14.9B05.C3
Gene No.	64580	Strand	-
Start	15228	End	25402
Name	OJ990709_14.9B05.C3.o1.tw	Method	TBLASTX:Wheat
Start	13172	End	14275
GI	none	Score	142
Exons	13172..13270, 13173..13277, 13186..13281, 13348..13524, 13352..13474, 13356..13574, 14198..14275, 14200..14253		

Seq. No.	31188	Seq. ID	OJ990709_14.9B05.C3
Gene No.	64580	Strand	-
Start	15228	End	25402
Name	OJ990709_14.9B05.C3.o2.gs	Method	GENSCAN
Start	15228	End	25402
GI	none	Score	.47
Exons	15228..15435, 16865..16953, 18155..18337, 18671..18927, 19019..19133, 19430..19512, 19606..19680, 19798..19900, 20063..20148, 20222..20334, 20644..20860, 22075..23126, 23341..23414, 23938..24294, 24320..24643, 25355..25402		

Seq. No.	31188	Seq. ID	OJ990709_14.9B05.C3
Gene No.	64580	Strand	-
Start	15228	End	25402
Name	OJ990709_14.9B05.C3.o2.np	Method	AAT/NAP
Start	18265	End	19386
GI	3335367	Score	208
Exons	18265..18337, 18594..18832, 19315..19386		
GI Descrip.	(AC003028) unknown protein [Arabidopsis thaliana]		

Seq. No.	31188	Seq. ID	OJ990709_14.9B05.C3
Gene No.	64580	Strand	-
Start	15228	End	25402
Name	OJ990709_14.9B05.C3.o3.tm	Method	TBLASTX:Maize
Start	22343	End	24396
GI	none	Score	59
Exons	22343..22414, 22344..22406, 22439..22609, 22443..22553, 22936..23100, 23856..23978, 23893..23979, 23994..24047, 23997..24101, 24001..24141, 24157..24240, 24167..24235, 24218..24307, 24241..24342, 24349..24396		

Seq. No.	31188	Seq. ID	OJ990709_14.9B05.C3
Gene No.	64580	Strand	-
Start	15228	End	25402
Name	OJ990709_14.9B05.C3.o2.ts	Method	TBLASTX:Soybean
Start	22343	End	24333
GI	none	Score	63
Exons	22343..22429, 22344..22409, 22455..22553, 22460..22609, 23857..23979, 23874..23978, 24004..24141, 24005..24130, 24157..24240, 24259..24333, 24260..24325		

Seq. No.	31188	Seq. ID	OJ990709_14.9B05.C3

Gene No.	64580	Strand	-
Start	15228	End	25402
Name	OJ990709_14.9B05.C3.o3.tc	Method	TBLASTX:Cress
Start	22343	End	24240
GI	none	Score	82
Exons	22343..22414, 23874..23978, 24010..24135, 24157..24240		

Seq. No.	31188	Seq. ID	OJ990709_14.9B05.C3
Gene No.	64580	Strand	-
Start	15228	End	25402
Name	OJ990709_14.9B05.C3.o3.tw	Method	TBLASTX:Wheat
Start	22443	End	24436
GI	none	Score	115
Exons	22443..22556, 22451..22702, 22463..22606, 24271..24342, 24272..24325, 24401..24436		

Seq. No.	31188	Seq. ID	OJ990709_14.9B05.C3
Gene No.	64580	Strand	-
Start	15228	End	25402
Name	OJ990709_14.9B05.C3.o3.np	Method	AAT/NAP
Start	23859	End	24461
GI	4680501	Score	362
Exons	23859..24461		
GI Descrip.	(AF119222) hypothetical protein [Oryza sativa]		

Seq. No.	31188	Seq. ID	OJ990709_14.9B05.C3
Gene No.	64580	Strand	-
Start	15228	End	25402
Name	OJ990709_14.9B05.C3.o4.np	Method	AAT/NAP
Start	23859	End	24658
GI	4680338	Score	355
Exons	23859..24658		
GI Descrip.	(AF128457) hypothetical protein [Oryza sativa subsp. indica]		

Seq. No.	31188	Seq. ID	OJ990709_14.9B05.C3
Gene No.	64580	Strand	-
Start	15228	End	25402
Name	OJ990709_14.9B05.C3.o4.tw	Method	TBLASTX:Wheat
Start	23874	End	24234
GI	none	Score	72
Exons	23874..23954, 24007..24147, 24172..24234		

Seq. No.	31188	Seq. ID	OJ990709_14.9B05.C3
Gene No.	64581	Strand	
Start	26551	End	26841
Name	OJ990709_14.9B05.C3.o2.tw	Method	TBLASTX:Wheat
Start	26551	End	26841
GI	none	Score	200
Exons	26551..26841		

Seq. No.	31189	Seq. ID	OJ990709_14.9B05.C4
Gene No.	64582	Strand	+
Start	1	End	386
Name	OJ990709_14.9B05.C4.o1.np	Method	AAT/NAP
Start	1	End	386
GI	6691716	Score	458
Exons	1..386		

GI Descrip.	(AP000492) hypothetical protein [Oryza sativa] gi\|6691717\|dbj\|BAA89397.1\| (AP000570) hypothetical protein [Oryza sativa]		
Seq. No.	31189	Seq. ID	OJ990709_14.9B05.C4
Gene No.	64582	Strand	+
Start	1	End	386
Name	OJ990709_14.9B05.C4.o1.gs	Method	GENSCAN
Start	54	End	290
GI	none	Score	.6
Exons	54..290		
Seq. No.	31189	Seq. ID	OJ990709_14.9B05.C4
Gene No.	64583	Strand	-
Start	728	End	2449
Name	OJ990709_14.9B05.C4.o2.gs	Method	GENSCAN
Start	728	End	2195
GI	none	Score	.7
Exons	728..1153, 1201..1540, 1834..2195		
Seq. No.	31189	Seq. ID	OJ990709_14.9B05.C4
Gene No.	64583	Strand	-
Start	728	End	2449
Name	OJ990709_14.9B05.C4.o2.np	Method	AAT/NAP
Start	731	End	2321
GI	5902445	Score	2279
Exons	731..2321		
GI Descrip.	(AB030283) GAG-POL precursor [Oryza sativa]		
Seq. No.	31189	Seq. ID	OJ990709_14.9B05.C4
Gene No.	64583	Strand	-
Start	728	End	2449
Name	OJ990709_14.9B05.C4.o1.tw	Method	TBLASTX:Wheat
Start	740	End	1353
GI	none	Score	56
Exons	740..877, 863..1147, 1065..1136, 1153..1353, 1174..1203, 1244..1333		
Seq. No.	31189	Seq. ID	OJ990709_14.9B05.C4
Gene No.	64583	Strand	-
Start	728	End	2449
Name	OJ990709_14.9B05.C4.o2.tm	Method	TBLASTX:Maize
Start	779	End	1042
GI	none	Score	70
Exons	779..880, 798..881, 807..881, 860..1042, 861..920		
Seq. No.	31189	Seq. ID	OJ990709_14.9B05.C4
Gene No.	64583	Strand	-
Start	728	End	2449
Name	OJ990709_14.9B05.C4.o2.tw	Method	TBLASTX:Wheat
Start	1466	End	1856
GI	none	Score	54
Exons	1466..1513, 1468..1608, 1468..1644, 1615..1731, 1617..1853, 1636..1845, 1695..1856		
Seq. No.	31189	Seq. ID	OJ990709_14.9B05.C4
Gene No.	64583	Strand	-

Start	728	End	2449
Name	OJ990709_14.9B05.C4.o1.tm	Method	TBLASTX:Maize
Start	1498	End	1859
GI	none	Score	63
Exons	1498..1545, 1537..1608, 1538..1612, 1608..1859, 1615..1839		

Seq. No.	31189	Seq. ID	OJ990709_14.9B05.C4
Gene No.	64583	Strand	-
Start	728	End	2449
Name	OJ990709_14.9B05.C4.o3.tw	Method	TBLASTX:Wheat
Start	1857	End	2156
GI	none	Score	52
Exons	1857..1955, 1900..1983, 2022..2156		

Seq. No.	31189	Seq. ID	OJ990709_14.9B05.C4
Gene No.	64583	Strand	-
Start	728	End	2449
Name	OJ990709_14.9B05.C4.o1.gp	Method	AAT/GAP
Start	2212	End	2449
GI	61605_1.R1084	Score	414
Exons	2212..2449		
GI Descrip.	'5852170/emb\|AL117265.1\|OST17804 1.0e-137 Oryza sativa indica(GLA4) genomic DNA, chromosome 4, BAC clone:t17804'		

Seq. No.	31190	Seq. ID	OJ990709_14.9B05.C5
Gene No.	64584	Strand	-
Start	1	End	4667
Name	OJ990709_14.9B05.C5.o1.np	Method	AAT/NAP
Start	1	End	2369
GI	4680179	Score	784
Exons	1..37, 456..1489, 2289..2369		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	31190	Seq. ID	OJ990709_14.9B05.C5
Gene No.	64584	Strand	-
Start	1	End	4667
Name	OJ990709_14.9B05.C5.o1.gs	Method	GENSCAN
Start	390	End	4431
GI	none	Score	.76
Exons	390..1505, 4056..4157, 4211..4431		

Seq. No.	31190	Seq. ID	OJ990709_14.9B05.C5
Gene No.	64584	Strand	-
Start	1	End	4667
Name	OJ990709_14.9B05.C5.o1.tm	Method	TBLASTX:Maize
Start	792	End	1106
GI	none	Score	44
Exons	792..878, 843..1106, 919..1083		

Seq. No.	31190	Seq. ID	OJ990709_14.9B05.C5
Gene No.	64584	Strand	-
Start	1	End	4667
Name	OJ990709_14.9B05.C5.o1.tw	Method	TBLASTX:Wheat
Start	987	End	1343
GI	none	Score	81
Exons	987..1343, 988..1128, 996..1136, 1165..1341		

Seq. No.	31190	Seq. ID	OJ990709_14.9B05.C5
Gene No.	64584	Strand	-
Start	1	End	4667
Name	OJ990709_14.9B05.C5.o1.gp	Method	AAT/GAP
Start	2063	End	4337
GI	61605_1.R1084	Score	635
Exons	2063..2332, 3464..3544, 4184..4337		
GI Descrip.	'5852170/emb\|AL117265.1\|OST17804 1.0e-137 Oryza sativa indica(GLA4) genomic DNA, chromosome 4, BAC clone:t17804'		

Seq. No.	31190	Seq. ID	OJ990709_14.9B05.C5
Gene No.	64584	Strand	-
Start	1	End	4667
Name	OJ990709_14.9B05.C5.o2.np	Method	AAT/NAP
Start	2705	End	4667
GI	6063554	Score	313
Exons	2705..2878, 3516..3547, 4224..4378, 4626..4667		
GI Descrip.	(AP000615) ESTs AU075609(C63344),C71850(E0464),C98611(E0464) correspond to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	31191	Seq. ID	OJ990709_14.9B05.C6
Gene No.	64585	Strand	-
Start	680	End	8189
Name	OJ990709_14.9B05.C6.o7.tm	Method	TBLASTX:Maize
Start	675	End	919
GI	none	Score	41
Exons	675..737, 707..919, 798..887		

Seq. No.	31191	Seq. ID	OJ990709_14.9B05.C6
Gene No.	64585	Strand	-
Start	680	End	8189
Name	OJ990709_14.9B05.C6.o1.gs	Method	GENSCAN
Start	680	End	8189
GI	none	Score	.96
Exons	680..5254, 5399..5444, 7400..7451, 8124..8189		

Seq. No.	31191	Seq. ID	OJ990709_14.9B05.C6
Gene No.	64585	Strand	-
Start	680	End	8189
Name	OJ990709_14.9B05.C6.o1.np	Method	AAT/NAP
Start	683	End	5257
GI	4680179	Score	6662
Exons	683..5257		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	31191	Seq. ID	OJ990709_14.9B05.C6
Gene No.	64585	Strand	-
Start	680	End	8189
Name	OJ990709_14.9B05.C6.o6.tw	Method	TBLASTX:Wheat
Start	728	End	1061
GI	none	Score	104
Exons	728..1060, 792..1061		

Seq. No.	31191	Seq. ID	OJ990709_14.9B05.C6
Gene No.	64585	Strand	-
Start	680	End	8189

Name	OJ990709_14.9B05.C6.o1.tm	Method	TBLASTX:Maize
Start	920	End	1507
GI	none	Score	146
Exons	920..1189, 921..1181, 936..1232, 1250..1348, 1251..1346, 1280..1348, 1346..1507, 1353..1499, 1355..1501		

Seq. No.	31191	Seq. ID	OJ990709_14.9B05.C6
Gene No.	64585	Strand	-
Start	680	End	8189
Name	OJ990709_14.9B05.C6.o1.tw	Method	TBLASTX:Wheat
Start	1061	End	1687
GI	none	Score	351
Exons	1061..1687, 1062..1631		

Seq. No.	31191	Seq. ID	OJ990709_14.9B05.C6
Gene No.	64585	Strand	-
Start	680	End	8189
Name	OJ990709_14.9B05.C6.o3.tm	Method	TBLASTX:Maize
Start	1556	End	1848
GI	none	Score	150
Exons	1556..1846, 1560..1745, 1565..1777, 1657..1848		

Seq. No.	31191	Seq. ID	OJ990709_14.9B05.C6
Gene No.	64585	Strand	-
Start	680	End	8189
Name	OJ990709_14.9B05.C6.o2.ts	Method	TBLASTX:Soybean
Start	1646	End	1906
GI	none	Score	52
Exons	1646..1714, 1646..1906, 1800..1901		

Seq. No.	31191	Seq. ID	OJ990709_14.9B05.C6
Gene No.	64585	Strand	-
Start	680	End	8189
Name	OJ990709_14.9B05.C6.o1.tc	Method	TBLASTX:Cress
Start	1670	End	1996
GI	none	Score	90
Exons	1670..1813, 1814..1996		

Seq. No.	31191	Seq. ID	OJ990709_14.9B05.C6
Gene No.	64585	Strand	-
Start	680	End	8189
Name	OJ990709_14.9B05.C6.o3.tw	Method	TBLASTX:Wheat
Start	1694	End	2173
GI	none	Score	219
Exons	1694..2173, 1695..2078, 1700..2155		

Seq. No.	31191	Seq. ID	OJ990709_14.9B05.C6
Gene No.	64585	Strand	-
Start	680	End	8189
Name	OJ990709_14.9B05.C6.o2.tw	Method	TBLASTX:Wheat
Start	2177	End	2686
GI	none	Score	305
Exons	2177..2686, 2268..2654		

Seq. No.	31191	Seq. ID	OJ990709_14.9B05.C6
Gene No.	64585	Strand	-
Start	680	End	8189

Name	OJ990709_14.9B05.C6.o2.tm	Method	TBLASTX:Maize
Start	2261	End	2614
GI	none	Score	137
Exons	2261..2614, 2276..2572, 2346..2612		

Seq. No.	31191	Seq. ID	OJ990709_14.9B05.C6
Gene No.	64585	Strand	-
Start	680	End	8189
Name	OJ990709_14.9B05.C6.o3.ts	Method	TBLASTX:Soybean
Start	2435	End	2677
GI	none	Score	197
Exons	2435..2677		

Seq. No.	31191	Seq. ID	OJ990709_14.9B05.C6
Gene No.	64585	Strand	-
Start	680	End	8189
Name	OJ990709_14.9B05.C6.o5.tm	Method	TBLASTX:Maize
Start	2615	End	2968
GI	none	Score	117
Exons	2615..2968, 2697..2957		

Seq. No.	31191	Seq. ID	OJ990709_14.9B05.C6
Gene No.	64585	Strand	-
Start	680	End	8189
Name	OJ990709_14.9B05.C6.o5.tw	Method	TBLASTX:Wheat
Start	2687	End	2989
GI	none	Score	201
Exons	2687..2989, 2688..2951		

Seq. No.	31191	Seq. ID	OJ990709_14.9B05.C6
Gene No.	64585	Strand	-
Start	680	End	8189
Name	OJ990709_14.9B05.C6.o1.ts	Method	TBLASTX:Soybean
Start	2702	End	3097
GI	none	Score	126
Exons	2702..3061, 2703..2945, 2920..3054, 2984..3058, 3065..3097, 3065..3097		

Seq. No.	31191	Seq. ID	OJ990709_14.9B05.C6
Gene No.	64585	Strand	-
Start	680	End	8189
Name	OJ990709_14.9B05.C6.o4.tm	Method	TBLASTX:Maize
Start	2984	End	3455
GI	none	Score	100
Exons	2984..3451, 3017..3364, 3210..3455		

Seq. No.	31191	Seq. ID	OJ990709_14.9B05.C6
Gene No.	64585	Strand	-
Start	680	End	8189
Name	OJ990709_14.9B05.C6.o4.tw	Method	TBLASTX:Wheat
Start	3038	End	3524
GI	none	Score	313
Exons	3038..3520, 3081..3524		

Seq. No.	31191	Seq. ID	OJ990709_14.9B05.C6
Gene No.	64585	Strand	-
Start	680	End	8189

Name	OJ990709_14.9B05.C6.o4.ts	Method	TBLASTX:Soybean
Start	3170	End	3451
GI	none	Score	66
Exons	3170..3451, 3171..3368		

Seq. No.	31191	Seq. ID	OJ990709_14.9B05.C6
Gene No.	64585	Strand	-
Start	680	End	8189
Name	OJ990709_14.9B05.C6.o8.tw	Method	TBLASTX:Wheat
Start	3695	End	4049
GI	none	Score	79
Exons	3695..4048, 3731..3865, 3954..4049		

Seq. No.	31191	Seq. ID	OJ990709_14.9B05.C6
Gene No.	64585	Strand	-
Start	680	End	8189
Name	OJ990709_14.9B05.C6.o6.tm	Method	TBLASTX:Maize
Start	3782	End	4102
GI	none	Score	209
Exons	3782..4102		

Seq. No.	31192	Seq. ID	OJ990709_14.9B05.C7
Gene No.	64586	Strand	+
Start	142	End	455
Name	OJ990709_14.9B05.C7.o1.gs	Method	GENSCAN
Start	142	End	455
GI	none	Score	.46
Exons	142..305, 336..455		

Seq. No.	31192	Seq. ID	OJ990709_14.9B05.C7
Gene No.	64587	Strand	+
Start	5627	End	6385
Name	OJ990709_14.9B05.C7.o1.gp	Method	AAT/GAP
Start	5627	End	6385
GI	5816562	Score	618
Exons	5627..5651, 5973..6385		
GI Descrip.	6016845/dbj\|AP000570.1\|AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10		

Seq. No.	31192	Seq. ID	OJ990709_14.9B05.C7
Gene No.	64588	Strand	+
Start	11041	End	11288
Name	OJ990709_14.9B05.C7.o2.gp	Method	AAT/GAP
Start	11041	End	11288
GI	3761181	Score	443
Exons	11041..11288		
GI Descrip.	4521193/dbj\|AB013450.1\|AB013450 1.0e-99 Oryza sativa DNA, similar sequence to Pib gene		

Seq. No.	31192	Seq. ID	OJ990709_14.9B05.C7
Gene No.	64589	Strand	+
Start	14314	End	18296
Name	OJ990709_14.9B05.C7.o5.gs	Method	GENSCAN
Start	14314	End	18296
GI	none	Score	.52
Exons	14314..14367, 14493..14674, 14896..15020, 15708..16516, 17885..17948, 18169..18296		

Seq. No.	31192	Seq. ID	OJ990709_14.9B05.C7
Gene No.	64590	Strand	-
Start	1	End	5926
Name	OJ990709_14.9B05.C7.o1.np	Method	AAT/NAP
Start	1	End	5926
GI	5922631	Score	4538
Exons	1..26, 1287..2371, 2978..3903, 4030..4180, 4223..4795, 4841..5040, 5299..5543, 5802..5926		
GI Descrip.	(AP000492) ESTs C26347(C12145),AU078074(C12145) correspond to a region of the predicted gene.; similar to prpol; Zea mays retrotransposon Cinful-1. (AF049110) [Oryza sativa] gi\|6016864\|dbj\|BAA85207.1\| (AP000570) ESTs C26347(C12145),AU078074(C12145) correspond to a region of the predicted gene.; Similar to prpol; Zea mays retrotransposon Cinful-1. (AF049110) [Oryza sativ		

Seq. No.	31192	Seq. ID	OJ990709_14.9B05.C7
Gene No.	64590	Strand	-
Start	1	End	5926
Name	OJ990709_14.9B05.C7.o2.gs	Method	GENSCAN
Start	1275	End	5926
GI	none	Score	.64
Exons	1275..1808, 1923..2644, 2993..3388, 3457..5926		

Seq. No.	31192	Seq. ID	OJ990709_14.9B05.C7
Gene No.	64591	Strand	-
Start	7952	End	8218
Name	OJ990709_14.9B05.C7.o3.gs	Method	GENSCAN
Start	7952	End	8218
GI	none	Score	.48
Exons	7952..8075, 8136..8218		

Seq. No.	31192	Seq. ID	OJ990709_14.9B05.C7
Gene No.	64592	Strand	-
Start	23514	End	24343
Name	OJ990709_14.9B05.C7.o2.np	Method	AAT/NAP
Start	23514	End	24343
GI	3643605	Score	226
Exons	23514..23877, 24264..24343		
GI Descrip.	(AC005395) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	31192	Seq. ID	OJ990709_14.9B05.C7
Gene No.	64593	Strand	-
Start	36715	End	38593
Name	OJ990709_14.9B05.C7.o3.ts	Method	TBLASTX:Soybean
Start	1297	End	1685
GI	none	Score	114
Exons	1297..1545, 1299..1541, 1581..1685, 1591..1677		

Seq. No.	31192	Seq. ID	OJ990709_14.9B05.C7
Gene No.	64593	Strand	-
Start	36715	End	38593
Name	OJ990709_14.9B05.C7.o4.tw	Method	TBLASTX:Wheat
Start	1308	End	1676
GI	none	Score	200
Exons	1308..1676, 1330..1671		

Seq. No.	31192	Seq. ID	OJ990709_14.9B05.C7
Gene No.	64593	Strand	-
Start	36715	End	38593
Name	OJ990709_14.9B05.C7.o4.tm	Method	TBLASTX:Maize
Start	1350	End	1623
GI	none	Score	90
Exons	1350..1448, 1452..1622, 1453..1623		

Seq. No.	31192	Seq. ID	OJ990709_14.9B05.C7
Gene No.	64593	Strand	-
Start	36715	End	38593
Name	OJ990709_14.9B05.C7.o3.tw	Method	TBLASTX:Wheat
Start	1713	End	2145
GI	none	Score	91
Exons	1713..2141, 1933..2145		

Seq. No.	31192	Seq. ID	OJ990709_14.9B05.C7
Gene No.	64593	Strand	-
Start	36715	End	38593
Name	OJ990709_14.9B05.C7.o1.tm	Method	TBLASTX:Maize
Start	1800	End	2244
GI	none	Score	128
Exons	1800..1826, 1824..1967, 1986..2243, 1989..2243, 1990..2244		

Seq. No.	31192	Seq. ID	OJ990709_14.9B05.C7
Gene No.	64593	Strand	-
Start	36715	End	38593
Name	OJ990709_14.9B05.C7.o2.ts	Method	TBLASTX:Soybean
Start	1911	End	2342
GI	none	Score	41
Exons	1911..2342, 1945..2085, 2137..2295		

Seq. No.	31192	Seq. ID	OJ990709_14.9B05.C7
Gene No.	64593	Strand	-
Start	36715	End	38593
Name	OJ990709_14.9B05.C7.o2.tw	Method	TBLASTX:Wheat
Start	2187	End	2606
GI	none	Score	228
Exons	2187..2606, 2188..2580		

Seq. No.	31192	Seq. ID	OJ990709_14.9B05.C7
Gene No.	64593	Strand	-
Start	36715	End	38593
Name	OJ990709_14.9B05.C7.o2.tm	Method	TBLASTX:Maize
Start	2475	End	2831
GI	none	Score	181
Exons	2475..2831, 2485..2790		

Seq. No.	31192	Seq. ID	OJ990709_14.9B05.C7
Gene No.	64593	Strand	-
Start	36715	End	38593
Name	OJ990709_14.9B05.C7.o4.ts	Method	TBLASTX:Soybean
Start	2556	End	2921
GI	none	Score	129
Exons	2556..2690, 2697..2921		

Seq. No.	31192	Seq. ID	OJ990709_14.9B05.C7
Gene No.	64593	Strand	-
Start	36715	End	38593
Name	OJ990709_14.9B05.C7.o6.tw	Method	TBLASTX:Wheat
Start	2606	End	2840
GI	none	Score	134
Exons	2606..2767, 2607..2840, 2608..2838		

Seq. No.	31192	Seq. ID	OJ990709_14.9B05.C7
Gene No.	64593	Strand	-
Start	36715	End	38593
Name	OJ990709_14.9B05.C7.o1.tw	Method	TBLASTX:Wheat
Start	2841	End	3637
GI	none	Score	114
Exons	2841..3134, 2845..3006, 3181..3405, 3183..3404, 3461..3637		

Seq. No.	31192	Seq. ID	OJ990709_14.9B05.C7
Gene No.	64593	Strand	-
Start	36715	End	38593
Name	OJ990709_14.9B05.C7.o5.tw	Method	TBLASTX:Wheat
Start	4217	End	4619
GI	none	Score	108
Exons	4217..4618, 4311..4619		

Seq. No.	31192	Seq. ID	OJ990709_14.9B05.C7
Gene No.	64593	Strand	-
Start	36715	End	38593
Name	OJ990709_14.9B05.C7.o5.tm	Method	TBLASTX:Maize
Start	23593	End	23855
GI	none	Score	115
Exons	23593..23838, 23670..23855		

Seq. No.	31192	Seq. ID	OJ990709_14.9B05.C7
Gene No.	64593	Strand	-
Start	36715	End	38593
Name	OJ990709_14.9B05.C7.o2.tc	Method	TBLASTX:Cress
Start	23653	End	23855
GI	none	Score	98
Exons	23653..23844, 23655..23855		

Seq. No.	31192	Seq. ID	OJ990709_14.9B05.C7
Gene No.	64593	Strand	-
Start	36715	End	38593
Name	OJ990709_14.9B05.C7.o8.gs	Method	GENSCAN
Start	36715	End	38240
GI	none	Score	.99
Exons	36715..37554, 37920..38240		

Seq. No.	31192	Seq. ID	OJ990709_14.9B05.C7
Gene No.	64593	Strand	-
Start	36715	End	38593
Name	OJ990709_14.9B05.C7.o3.np	Method	AAT/NAP
Start	36873	End	38593
GI	2959736	Score	336
Exons	36873..37279, 38568..38593		
GI Descrip.	(Y13651) homologous to GATA-binding transcription factors [Arabidopsis thaliana]		

Seq. No.	31192	Seq. ID	OJ990709_14.9B05.C7
Gene No.	64593	Strand	-
Start	36715	End	38593
Name	OJ990709_14.9B05.C7.o1.tc	Method	TBLASTX:Cress
Start	36910	End	37404
GI	none	Score	282
Exons	36910..37125, 36911..37126, 37306..37404		

Seq. No.	31192	Seq. ID	OJ990709_14.9B05.C7
Gene No.	64593	Strand	-
Start	36715	End	38593
Name	OJ990709_14.9B05.C7.o3.tm	Method	TBLASTX:Maize
Start	36910	End	37119
GI	none	Score	277
Exons	36910..37119, 36914..37114		

Seq. No.	31192	Seq. ID	OJ990709_14.9B05.C7
Gene No.	64593	Strand	-
Start	36715	End	38593
Name	OJ990709_14.9B05.C7.o1.ts	Method	TBLASTX:Soybean
Start	36910	End	37119
GI	none	Score	277
Exons	36910..37119, 36914..37114		

Seq. No.	31193	Seq. ID	OJ990709_14.9B05.C8
Gene No.	64594	Strand	+
Start	1	End	10160
Name	OJ990709_14.9B05.C8.o1.np	Method	AAT/NAP
Start	1	End	10160
GI	5852180	Score	669
Exons	1..44, 3430..3485, 4473..4582, 4634..5054, 10127..10160		
GI Descrip.	(AL117265) zhb00010.1 [Oryza sativa]		

Seq. No.	31193	Seq. ID	OJ990709_14.9B05.C8
Gene No.	64594	Strand	+
Start	1	End	10160
Name	OJ990709_14.9B05.C8.o4.gp	Method	AAT/GAP
Start	5739	End	5857
GI	5816518	Score	155
Exons	5739..5857		
GI Descrip.	4521193/dbj\|AB013450.1\|AB013450 3.0e-40 Oryza sativa DNA, similar sequence to Pib gene		

Seq. No.	31193	Seq. ID	OJ990709_14.9B05.C8
Gene No.	64594	Strand	+
Start	1	End	10160
Name	OJ990709_14.9B05.C8.o5.gp	Method	AAT/GAP
Start	5865	End	6099
GI	3761181	Score	325
Exons	5865..6099		
GI Descrip.	4521193/dbj\|AB013450.1\|AB013450 1.0e-99 Oryza sativa DNA, similar sequence to Pib gene		

Seq. No.	31193	Seq. ID	OJ990709_14.9B05.C8
Gene No.	64594	Strand	+
Start	1	End	10160

Name	OJ990709_14.9B05.C8.o2.np	Method	AAT/NAP
Start	6559	End	9813
GI	5091513	Score	1450
Exons	6559..7503, 8257..8553, 8694..8931, 9381..9440, 9584..9813		
GI Descrip.	(AB023482) Hypothetical protein [Oryza sativa]		

Seq. No.	31193	Seq. ID	OJ990709_14.9B05.C8
Gene No.	64594	Strand	+
Start	1	End	10160
Name	OJ990709_14.9B05.C8.o5.gs	Method	GENSCAN
Start	8278	End	9059
GI	none	Score	.52
Exons	8278..8610, 8700..9059		

Seq. No.	31193	Seq. ID	OJ990709_14.9B05.C8
Gene No.	64595	Strand	-
Start	236	End	482
Name	OJ990709_14.9B05.C8.o1.gp	Method	AAT/GAP
Start	236	End	482
GI	3761181	Score	429
Exons	236..482		
GI Descrip.	4521193/dbj\|AB013450.1\|AB013450 1.0e-99 Oryza sativa DNA, similar sequence to Pib gene		

Seq. No.	31193	Seq. ID	OJ990709_14.9B05.C8
Gene No.	64596	Strand	-
Start	2179	End	3711
Name	OJ990709_14.9B05.C8.o1.gs	Method	GENSCAN
Start	2179	End	3606
GI	none	Score	.83
Exons	2179..2505, 3541..3606		

Seq. No.	31193	Seq. ID	OJ990709_14.9B05.C8
Gene No.	64596	Strand	-
Start	2179	End	3711
Name	OJ990709_14.9B05.C8.o2.gp	Method	AAT/GAP
Start	3326	End	3711
GI	uC-osflcyp033a04b1	Score	645
Exons	3326..3711		
GI Descrip.	'6016845/dbj\|AP000570.1\|AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		

Seq. No.	31193	Seq. ID	OJ990709_14.9B05.C8
Gene No.	64597	Strand	-
Start	9659	End	9863
Name	OJ990709_14.9B05.C8.o6.gs	Method	GENSCAN
Start	9659	End	9863
GI	none	Score	.81
Exons	9659..9863		

Seq. No.	31194	Seq. ID	OJ990709_14.9B05.C9
Gene No.	64598	Strand	+
Start	828	End	944
Name	OJ990709_14.9B05.C9.o1.gs	Method	GENSCAN
Start	828	End	944
GI	none	Score	.68
Exons	828..944		

Seq. No.	31195	Seq. ID	OJ990709_14.9B05.C10
Gene No.	64599	Strand	+
Start	1	End	595
Name	OJ990709_14.9B05.C10.o1.np	Method	AAT/NAP
Start	1	End	595
GI	4680186	Score	293
Exons	1..32, 377..595		
GI Descrip.	(AF111709) unknown [Oryza sativa subsp. indica]		

Seq. No.	31195	Seq. ID	OJ990709_14.9B05.C10
Gene No.	64599	Strand	+
Start	1	End	595
Name	OJ990709_14.9B05.C10.o1.gs	Method	GENSCAN
Start	488	End	548
GI	none	Score	.48
Exons	488..548		

Seq. No.	31195	Seq. ID	OJ990709_14.9B05.C10
Gene No.	64600	Strand	-
Start	143	End	528
Name	OJ990709_14.9B05.C10.o1.gp	Method	AAT/GAP
Start	143	End	528
GI	uC-osf1cyp033a04b1	Score	645
Exons	143..528		
GI Descrip.	'6016845/dbj\|AP000570.1\|AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		

Seq. No.	31196	Seq. ID	OJ990709_14.9B05.C12
Gene No.	64601	Strand	-
Start	13	End	397
Name	OJ990709_14.9B05.C12.o1.np	Method	AAT/NAP
Start	13	End	397
GI	2126090	Score	598
Exons	13..397		
GI Descrip.	transposase (insertion sequence IS10) - Escherichia coli gi\|455676\|bbs\|140379 (S67119) transposase [Escherichia coli, LBB84, plasmid pXT107, IS10L/R-1, Peptide PlasmidTransposonInsertionMutant, 402 aa] [Escherichia coli] gi\|6634720\|gb\|AAF19728.1\|AC012463_2 (AC012463) T2E6.2 [Arabidopsis thaliana]		

Seq. No.	31197	Seq. ID	OJ990709_14.9B05.C13
Gene No.	64602	Strand	-
Start	1	End	498
Name	OJ990709_14.9B05.C13.o1.np	Method	AAT/NAP
Start	1	End	498
GI	6633835	Score	414
Exons	1..198, 282..498		
GI Descrip.	(AC008047) F2K11.1 [Arabidopsis thaliana]		

Seq. No.	31197	Seq. ID	OJ990709_14.9B05.C13
Gene No.	64602	Strand	-
Start	1	End	498
Name	OJ990709_14.9B05.C13.o1.tm	Method	TBLASTX:Maize
Start	1	End	454
GI	none	Score	290

Exons	1..201, 3..200, 284..451, 285..452, 286..453, 302..454, 312..452		
Seq. No.	31197	Seq. ID	OJ990709_14.9B05.C13
Gene No.	64602	Strand	-
Start	1	End	498
Name	OJ990709_14.9B05.C13.o1.ts	Method	TBLASTX:Soybean
Start	1	End	430
GI	none	Score	178
Exons	1..201, 3..200, 279..413, 302..430, 312..416		
Seq. No.	31197	Seq. ID	OJ990709_14.9B05.C13
Gene No.	64602	Strand	-
Start	1	End	498
Name	OJ990709_14.9B05.C13.o1.tc	Method	TBLASTX:Cress
Start	3	End	419
GI	none	Score	175
Exons	3..200, 4..192, 302..418, 312..419		
Seq. No.	31198	Seq. ID	OJ990819_15.9B09.C1
Gene No.	64603	Strand	+
Start	85	End	260
Name	OJ990819_15.9B09.C1.o1.gs	Method	GENSCAN
Start	85	End	260
GI	none	Score	.92
Exons	85..260		
Seq. No.	31199	Seq. ID	OJ990819_15.9B09.C2
Gene No.	64604	Strand	+
Start	351	End	525
Name	OJ990819_15.9B09.C2.o1.gp	Method	AAT/GAP
Start	351	End	525
GI	21017_1.R1084	Score	239
Exons	351..525		
GI Descrip.	'6006355/dbj\|AP000559.1\|AP000559 2.0e-22 Oryza sativa genomic DNA, chromosome 6, clone:P0493C11'		
Seq. No.	31199	Seq. ID	OJ990819_15.9B09.C2
Gene No.	64605	Strand	+
Start	14947	End	18169
Name	OJ990819_15.9B09.C2.o2.gp	Method	AAT/GAP
Start	14624	End	17474
GI	LIB3434-049-P1-K1-F9	Score	752
Exons	14624..14757, 14860..14971, 16831..16867, 17141..17210, 17380..17474		
GI Descrip.	'5903036/gb\|AAD55595.1\|AC008016_5 1.0e-36 (AC008016) F6D8.5 [Arabidopsis thaliana]'		
Seq. No.	31199	Seq. ID	OJ990819_15.9B09.C2
Gene No.	64605	Strand	+
Start	14947	End	18169
Name	OJ990819_15.9B09.C2.o1.np	Method	AAT/NAP
Start	14829	End	18115
GI	5903036	Score	567
Exons	14829..14971, 16831..16867, 17141..17210, 17380..17484, 17616..17750, 18021..18115		
GI Descrip.	(AC008016) F6D8.5 [Arabidopsis thaliana]		

Seq. No.	31199	Seq. ID	OJ990819_15.9B09.C2
Gene No.	64605	Strand	+
Start	14947	End	18169
Name	OJ990819_15.9B09.C2.o3.gs	Method	GENSCAN
Start	14947	End	18169
GI	none	Score	.58
Exons	14947..14971, 17308..17484, 17607..17757, 17856..17938, 18021..18169		

Seq. No.	31199	Seq. ID	OJ990819_15.9B09.C2
Gene No.	64606	Strand	+
Start	22511	End	24645
Name	OJ990819_15.9B09.C2.o5.gs	Method	GENSCAN
Start	22511	End	24645
GI	none	Score	.82
Exons	22511..23011, 24505..24645		

Seq. No.	31199	Seq. ID	OJ990819_15.9B09.C2
Gene No.	64607	Strand	+
Start	25946	End	27809
Name	OJ990819_15.9B09.C2.o6.gs	Method	GENSCAN
Start	25946	End	27809
GI	none	Score	.76
Exons	25946..25992, 27611..27809		

Seq. No.	31199	Seq. ID	OJ990819_15.9B09.C2
Gene No.	64608	Strand	-
Start	9956	End	13445
Name	OJ990819_15.9B09.C2.o2.gs	Method	GENSCAN
Start	9956	End	13445
GI	none	Score	.52
Exons	9956..9998, 10049..10191, 11311..11448, 11853..11873, 13329..13445		

Seq. No.	31199	Seq. ID	OJ990819_15.9B09.C2
Gene No.	64609	Strand	-
Start	19214	End	22809
Name	OJ990819_15.9B09.C2.o4.gs	Method	GENSCAN
Start	19214	End	21820
GI	none	Score	.58
Exons	19214..19311, 19431..19483, 19629..19707, 19755..19832, 20074..20205, 20857..21820		

Seq. No.	31199	Seq. ID	OJ990819_15.9B09.C2
Gene No.	64609	Strand	-
Start	19214	End	22809
Name	OJ990819_15.9B09.C2.o3.gp	Method	AAT/GAP
Start	20900	End	21427
GI	8115_1.R1084	Score	1044
Exons	20900..21427		
GI Descrip.	'2827536/emb\|CAA16544.1\| 2.0e-12 (AL021633) hypothetical protein [Arabidopsis thaliana]'		

Seq. No.	31199	Seq. ID	OJ990819_15.9B09.C2
Gene No.	64609	Strand	-
Start	19214	End	22809
Name	OJ990819_15.9B09.C2.o2.np	Method	AAT/NAP

Start	21175	End	21823
GI	6553882	Score	382
Exons	21175..21823		
GI Descrip.	(AC012563) unknown protein [Arabidopsis thaliana]		

Seq. No.	31199	Seq. ID	OJ990819_15.9B09.C2
Gene No.	64609	Strand	-
Start	19214	End	22809
Name	OJ990819_15.9B09.C2.o4.gp	Method	AAT/GAP
Start	21670	End	22809
GI	43613_1.R1084	Score	858
Exons	21670..21931, 22629..22809		
GI Descrip.	'4314378/gb\|AAD15588\| 1.0e-20 (AC006232) putative lipase [Arabidopsis thaliana] >gi_5306262_gb_AAD41994.1_AC006233_5 (AC006233) putative lipase [Arabidopsis thaliana]'		

Seq. No.	31199	Seq. ID	OJ990819_15.9B09.C2
Gene No.	64610	Strand	-
Start	28248	End	30183
Name	OJ990819_15.9B09.C2.o2.tm	Method	TBLASTX:Maize
Start	14872	End	18291
GI	none	Score	124
Exons	14872..14964, 14882..14971, 14895..14969, 16829..16876, 17132..17209, 17140..17286, 17377..17481, 17382..17483, 17606..17761, 17611..17757, 17854..17943, 17999..18124, 18193..18291, 18195..18266		

Seq. No.	31199	Seq. ID	OJ990819_15.9B09.C2
Gene No.	64610	Strand	-
Start	28248	End	30183
Name	OJ990819_15.9B09.C2.o2.ts	Method	TBLASTX:Soybean
Start	17606	End	18296
GI	none	Score	143
Exons	17606..17761, 17611..17754, 17854..17937, 18022..18123, 18023..18124, 18193..18270, 18201..18296		

Seq. No.	31199	Seq. ID	OJ990819_15.9B09.C2
Gene No.	64610	Strand	-
Start	28248	End	30183
Name	OJ990819_15.9B09.C2.o2.tc	Method	TBLASTX:Cress
Start	17699	End	18264
GI	none	Score	68
Exons	17699..17761, 17851..17943, 17853..17942, 17999..18124, 18022..18114, 18199..18264, 18205..18264		

Seq. No.	31199	Seq. ID	OJ990819_15.9B09.C2
Gene No.	64610	Strand	-
Start	28248	End	30183
Name	OJ990819_15.9B09.C2.o1.tm	Method	TBLASTX:Maize
Start	20843	End	21935
GI	none	Score	70
Exons	20843..20935, 20852..20974, 21059..21160, 21176..21472, 21176..21463, 21180..21476, 21186..21476, 21513..21737, 21516..21635, 21526..21672, 21530..21730, 21737..21829, 21750..21923, 21906..21935		

Seq. No.	31199	Seq. ID	OJ990819_15.9B09.C2

Gene No.	64610	Strand	-
Start	28248	End	30183
Name	OJ990819_15.9B09.C2.o1.tw	Method	TBLASTX:Wheat
Start	21104	End	21337
GI	none	Score	205
Exons	21104..21337, 21128..21337		

Seq. No.	31199	Seq. ID	OJ990819_15.9B09.C2
Gene No.	64610	Strand	-
Start	28248	End	30183
Name	OJ990819_15.9B09.C2.o1.tc	Method	TBLASTX:Cress
Start	21188	End	21670
GI	none	Score	107
Exons	21188..21457, 21258..21455, 21468..21662, 21530..21670		

Seq. No.	31199	Seq. ID	OJ990819_15.9B09.C2
Gene No.	64610	Strand	-
Start	28248	End	30183
Name	OJ990819_15.9B09.C2.o1.ts	Method	TBLASTX:Soybean
Start	21209	End	21673
GI	none	Score	115
Exons	21209..21448, 21525..21650, 21530..21673, 21533..21670		

Seq. No.	31199	Seq. ID	OJ990819_15.9B09.C2
Gene No.	64610	Strand	-
Start	28248	End	30183
Name	OJ990819_15.9B09.C2.o7.gs	Method	GENSCAN
Start	28248	End	30183
GI	none	Score	.7
Exons	28248..28401, 28407..28569, 29997..30183		

Seq. No.	31200	Seq. ID	OJ990819_15.9B09.C3
Gene No.	64611	Strand	+
Start	385	End	6631
Name	OJ990819_15.9B09.C3.o1.gs	Method	GENSCAN
Start	385	End	6371
GI	none	Score	.55
Exons	385..3715, 4826..4933, 5422..5531, 6297..6371		

Seq. No.	31200	Seq. ID	OJ990819_15.9B09.C3
Gene No.	64611	Strand	+
Start	385	End	6631
Name	OJ990819_15.9B09.C3.o2.np	Method	AAT/NAP
Start	2677	End	6374
GI	3080405	Score	207
Exons	2677..2772, 4753..4933, 5422..5531, 6297..6374		
GI Descrip.	(AL022603) Lsd1 like protein [Arabidopsis thaliana] gi\|4455269\|emb\|CAB36805.1\| (AL035527) Lsd1 like protein [Arabidopsis thaliana]		

Seq. No.	31200	Seq. ID	OJ990819_15.9B09.C3
Gene No.	64611	Strand	+
Start	385	End	6631
Name	OJ990819_15.9B09.C3.o1.gp	Method	AAT/GAP
Start	2726	End	3299
GI	none	Score	1061
Exons	2726..3299		

Seq. No.	31200	Seq. ID	OJ990819_15.9B09.C3
Gene No.	64611	Strand	+
Start	385	End	6631
Name	OJ990819_15.9B09.C3.o2.gp	Method	AAT/GAP
Start	3477	End	6631
GI	86315_1.R1084	Score	1680
Exons	3477..3835, 4826..4933, 5422..5531, 6297..6631		
GI Descrip.	'3080405/emb\|CAA18725.1\| 1.0e-18 (AL022603) Lsd1 like protein [Arabidopsis thaliana] >gi_4455269_emb_CAB36805.1_ (AL035527) Lsd1 like protein [Arabidopsis thaliana]'		

Seq. No.	31200	Seq. ID	OJ990819_15.9B09.C3
Gene No.	64612	Strand	+
Start	7400	End	9827
Name	OJ990819_15.9B09.C3.o2.gs	Method	GENSCAN
Start	7400	End	9827
GI	none	Score	.65
Exons	7400..7555, 7663..7811, 9300..9367, 9781..9827		

Seq. No.	31200	Seq. ID	OJ990819_15.9B09.C3
Gene No.	64613	Strand	-
Start	10718	End	11180
Name	OJ990819_15.9B09.C3.o2.tm	Method	TBLASTX:Maize
Start	1987	End	3080
GI	none	Score	122
Exons	1987..2169, 1989..2258, 1990..2124, 2004..2219, 2202..2306, 2235..2306, 2239..2304, 2239..2439, 2242..2304, 2243..2422, 2259..2432, 2565..2612, 2573..2623, 2621..2683, 2621..2683, 2650..2697, 2685..2741, 2685..2732, 2745..2804, 2745..2795, 2746..2805, 2746..2796, 2961..3080, 2973..3074, 2974..3054, 2998..3054		

Seq. No.	31200	Seq. ID	OJ990819_15.9B09.C3
Gene No.	64613	Strand	-
Start	10718	End	11180
Name	OJ990819_15.9B09.C3.o1.tm	Method	TBLASTX:Maize
Start	7660	End	7986
GI	none	Score	279
Exons	7660..7815, 7662..7808, 7927..7986, 7929..7973		

Seq. No.	31200	Seq. ID	OJ990819_15.9B09.C3
Gene No.	64613	Strand	-
Start	10718	End	11180
Name	OJ990819_15.9B09.C3.o1.ts	Method	TBLASTX:Soybean
Start	7660	End	7803
GI	none	Score	191
Exons	7660..7803, 7665..7802		

Seq. No.	31200	Seq. ID	OJ990819_15.9B09.C3
Gene No.	64613	Strand	-
Start	10718	End	11180
Name	OJ990819_15.9B09.C3.o3.gs	Method	GENSCAN
Start	10718	End	11180
GI	none	Score	.82
Exons	10718..10788, 11123..11180		

Seq. No.	31201	Seq. ID	OJ990819_15.9B09.C4
Gene No.	64614	Strand	+
Start	130	End	13490
Name	OJ990819_15.9B09.C4.o1.np	Method	AAT/NAP
Start	130	End	12196
GI	5306262	Score	717
Exons	130..213, 8249..8419, 9266..9475, 10321..10472, 10553..10833, 11926..12196		
GI Descrip.	(AC006233) putative lipase [Arabidopsis thaliana]		

Seq. No.	31201	Seq. ID	OJ990819_15.9B09.C4
Gene No.	64614	Strand	+
Start	130	End	13490
Name	OJ990819_15.9B09.C4.o1.gs	Method	GENSCAN
Start	1522	End	3014
GI	none	Score	.47
Exons	1522..1656, 2531..2656, 2675..2776, 2898..3014		

Seq. No.	31201	Seq. ID	OJ990819_15.9B09.C4
Gene No.	64614	Strand	+
Start	130	End	13490
Name	OJ990819_15.9B09.C4.o3.gs	Method	GENSCAN
Start	6785	End	13490
GI	none	Score	.65
Exons	6785..6786, 7228..7801, 8028..8559, 9266..9475, 10324..10472, 10538..10829, 13354..13490		

Seq. No.	31201	Seq. ID	OJ990819_15.9B09.C4
Gene No.	64614	Strand	+
Start	130	End	13490
Name	OJ990819_15.9B09.C4.o1.gp	Method	AAT/GAP
Start	10442	End	10762
GI	2797198	Score	438
Exons	10442..10472, 10553..10762		
GI Descrip.	4314378/gb\|AAD15588\| 1.0e-20 (AC006232) putative lipase [Arabidopsis thaliana] >gi_5306262_gb_AAD41994.1_AC006233_5 (AC006233) putative lipase [Arabidopsis thaliana]		

Seq. No.	31201	Seq. ID	OJ990819_15.9B09.C4
Gene No.	64614	Strand	+
Start	130	End	13490
Name	OJ990819_15.9B09.C4.o2.gp	Method	AAT/GAP
Start	10771	End	12635
GI	3711_1.R1084	Score	1421
Exons	10771..10829, 11925..12635		
GI Descrip.	'4314378/gb\|AAD15588\| 6.0e-20 (AC006232) putative lipase [Arabidopsis thaliana] >gi_5306262_gb_AAD41994.1_AC006233_5 (AC006233) putative lipase [Arabidopsis thaliana]'		

Seq. No.	31201	Seq. ID	OJ990819_15.9B09.C4
Gene No.	64615	Strand	-
Start	3513	End	3983
Name	OJ990819_15.9B09.C4.o2.gs	Method	GENSCAN
Start	3513	End	3983
GI	none	Score	.98
Exons	3513..3983		

Seq. No.	31201	Seq. ID	OJ990819_15.9B09.C4
Gene No.	64616	Strand	-
Start	12955	End	17268
Name	OJ990819_15.9B09.C4.o2.tm	Method	TBLASTX:Maize
Start	8248	End	8403
GI	none	Score	273
Exons	8248..8403, 8248..8313, 8250..8360		

Seq. No.	31201	Seq. ID	OJ990819_15.9B09.C4
Gene No.	64616	Strand	-
Start	12955	End	17268
Name	OJ990819_15.9B09.C4.o1.tc	Method	TBLASTX:Cress
Start	8251	End	12156
GI	none	Score	68
Exons	8251..8304, 8344..8400, 9316..9450, 10322..10474, 10323..10469, 10541..10831, 10552..10626, 10660..10785, 11935..12156, 11936..12100		

Seq. No.	31201	Seq. ID	OJ990819_15.9B09.C4
Gene No.	64616	Strand	-
Start	12955	End	17268
Name	OJ990819_15.9B09.C4.o1.tm	Method	TBLASTX:Maize
Start	9291	End	12408
GI	none	Score	276
Exons	9291..9452, 9292..9450, 9366..9452, 10305..10484, 10322..10480, 10541..10831, 10551..10841, 10553..10828, 10941..10979, 11914..12240, 11924..12241, 11927..12253, 11928..12254, 12252..12320, 12264..12320, 12379..12408, 12381..12404		

Seq. No.	31201	Seq. ID	OJ990819_15.9B09.C4
Gene No.	64616	Strand	-
Start	12955	End	17268
Name	OJ990819_15.9B09.C4.o1.ts	Method	TBLASTX:Soybean
Start	10329	End	10795
GI	none	Score	124
Exons	10329..10481, 10331..10480, 10541..10666, 10552..10608, 10663..10794, 10664..10795		

Seq. No.	31201	Seq. ID	OJ990819_15.9B09.C4
Gene No.	64616	Strand	-
Start	12955	End	17268
Name	OJ990819_15.9B09.C4.o2.np	Method	AAT/NAP
Start	12955	End	15460
GI	728868	Score	92
Exons	12955..12995, 14144..14169, 15144..15460		
GI Descrip.	ANTER-SPECIFIC PROLINE-RICH PROTEIN APG (PROTEIN CEX) gi\|99824\|pir\|\|S16748 proline-rich protein - rape (fragment) gi\|22597\|emb\|CAA42924\| (X60376) proline-rich protein [Brassica napus]		

Seq. No.	31201	Seq. ID	OJ990819_15.9B09.C4
Gene No.	64616	Strand	-
Start	12955	End	17268
Name	OJ990819_15.9B09.C4.o4.gs	Method	GENSCAN
Start	15274	End	17268
GI	none	Score	.65
Exons	15274..15428, 15803..15891, 17225..17268		

Seq. No.	31202	Seq. ID	OJ990819_15.9B09.C5
Gene No.	64617	Strand	+
Start	218	End	856
Name	OJ990819_15.9B09.C5.o1.gs	Method	GENSCAN
Start	218	End	856
GI	none	Score	.88
Exons	218..341, 834..856		

Seq. No.	31203	Seq. ID	OJ990819_15.9B09.C6
Gene No.	64618	Strand	+
Start	8277	End	10055
Name	OJ990819_15.9B09.C6.o4.gs	Method	GENSCAN
Start	8277	End	10055
GI	none	Score	1
Exons	8277..10055		

Seq. No.	31203	Seq. ID	OJ990819_15.9B09.C6
Gene No.	64618	Strand	+
Start	8277	End	10055
Name	OJ990819_15.9B09.C6.o1.np	Method	AAT/NAP
Start	8298	End	10052
GI	2832659	Score	1174
Exons	8298..8483, 8514..9176, 9261..9781, 9865..10052		
GI Descrip.	(AL021710) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	31203	Seq. ID	OJ990819_15.9B09.C6
Gene No.	64619	Strand	+
Start	15412	End	15999
Name	OJ990819_15.9B09.C6.o1.gp	Method	AAT/GAP
Start	15412	End	15999
GI	uC-osrocyp025e03a1	Score	888
Exons	15412..15495, 15628..15999		
GI Descrip.	'576771/gb\|U16256\|OSU16256 0.0e+00 Oryza sativa cone SR1 sucrose-regulated mRNA, 3''-end sequence'		

Seq. No.	31203	Seq. ID	OJ990819_15.9B09.C6
Gene No.	64620	Strand	-
Start	11318	End	15478
Name	OJ990819_15.9B09.C6.o5.gs	Method	GENSCAN
Start	11318	End	15478
GI	none	Score	.61
Exons	11318..11324, 11416..11517, 11645..11667, 11802..11885, 11955..12094, 12182..12296, 12481..12675, 15173..15478		

Seq. No.	31203	Seq. ID	OJ990819_15.9B09.C6
Gene No.	64621	Strand	-
Start	17703	End	19038
Name	OJ990819_15.9B09.C6.o6.gs	Method	GENSCAN
Start	17703	End	19038
GI	none	Score	.92
Exons	17703..18310, 18564..19038		

Seq. No.	31203	Seq. ID	OJ990819_15.9B09.C6
Gene No.	64621	Strand	-
Start	17703	End	19038
Name	OJ990819_15.9B09.C6.o2.np	Method	AAT/NAP

Start	17712	End	19020
GI	4314384	Score	535
Exons	17712..18310, 18564..19020		
GI Descrip.	(AC006232) putative cysteine proteinase [Arabidopsis thaliana]		

Seq. No.	31203	Seq. ID	OJ990819_15.9B09.C6
Gene No.	64622	Strand	-
Start	20037	End	20632
Name	OJ990819_15.9B09.C6.o2.tm	Method	TBLASTX:Maize
Start	15317	End	15470
GI	none	Score	76
Exons	15317..15394, 15317..15469, 15372..15470		

Seq. No.	31203	Seq. ID	OJ990819_15.9B09.C6
Gene No.	64622	Strand	-
Start	20037	End	20632
Name	OJ990819_15.9B09.C6.o2.ts	Method	TBLASTX:Soybean
Start	15371	End	17355
GI	none	Score	184
Exons	15371..15505, 15372..15488, 15626..15751, 15627..15737, 17226..17354, 17227..17319, 17227..17355		

Seq. No.	31203	Seq. ID	OJ990819_15.9B09.C6
Gene No.	64622	Strand	-
Start	20037	End	20632
Name	OJ990819_15.9B09.C6.o1.tm	Method	TBLASTX:Maize
Start	17706	End	18810
GI	none	Score	67
Exons	17706..17834, 17913..18020, 18126..18311, 18166..18276, 18562..18627, 18727..18810		

Seq. No.	31203	Seq. ID	OJ990819_15.9B09.C6
Gene No.	64622	Strand	-
Start	20037	End	20632
Name	OJ990819_15.9B09.C6.o1.tc	Method	TBLASTX:Cress
Start	17712	End	18924
GI	none	Score	165
Exons	17712..17753, 17769..17837, 17913..18017, 18126..18311, 18562..18630, 18715..18924		

Seq. No.	31203	Seq. ID	OJ990819_15.9B09.C6
Gene No.	64622	Strand	-
Start	20037	End	20632
Name	OJ990819_15.9B09.C6.o1.ts	Method	TBLASTX:Soybean
Start	17718	End	18936
GI	none	Score	126
Exons	17718..17762, 17769..17837, 17919..18014, 18126..18206, 18201..18320, 18574..18630, 18736..18801, 18796..18936		

Seq. No.	31203	Seq. ID	OJ990819_15.9B09.C6
Gene No.	64622	Strand	-
Start	20037	End	20632
Name	OJ990819_15.9B09.C6.o7.gs	Method	GENSCAN
Start	20037	End	20632
GI	none	Score	.86
Exons	20037..20071, 20560..20632		

Seq. No.	31204	Seq. ID	OJ990819_15.9B09.C7
Gene No.	64623	Strand	-
Start	4489	End	6220
Name	OJ990819_15.9B09.C7.o1.np	Method	AAT/NAP
Start	4489	End	6220
GI	2342728	Score	416
Exons	4489..4845, 4873..5086, 5748..6220		
GI Descrip.	(AC002341) putative cysteine proteinase [Arabidopsis thaliana]		

Seq. No.	31204	Seq. ID	OJ990819_15.9B09.C7
Gene No.	64624	Strand	-
Start	6496	End	9919
Name	OJ990819_15.9B09.C7.o1.tm	Method	TBLASTX:Maize
Start	4519	End	6082
GI	none	Score	119
Exons	4519..4665, 4520..4666, 4690..4812, 4858..4902, 4908..4952, 4933..5088, 4961..5089, 4963..5136, 5756..5809, 5930..6082		

Seq. No.	31204	Seq. ID	OJ990819_15.9B09.C7
Gene No.	64624	Strand	-
Start	6496	End	9919
Name	OJ990819_15.9B09.C7.o1.ts	Method	TBLASTX:Soybean
Start	4540	End	5089
GI	none	Score	78
Exons	4540..4617, 4618..4665, 4690..4812, 4873..5088, 4991..5089		

Seq. No.	31204	Seq. ID	OJ990819_15.9B09.C7
Gene No.	64624	Strand	-
Start	6496	End	9919
Name	OJ990819_15.9B09.C7.o1.tw	Method	TBLASTX:Wheat
Start	4541	End	6127
GI	none	Score	66
Exons	4541..4609, 4546..4617, 4621..4674, 4933..5097, 4961..5098, 5759..5809, 5760..5810, 5924..6127, 5928..6095		

Seq. No.	31204	Seq. ID	OJ990819_15.9B09.C7
Gene No.	64624	Strand	-
Start	6496	End	9919
Name	OJ990819_15.9B09.C7.o1.tc	Method	TBLASTX:Cress
Start	4990	End	6121
GI	none	Score	90
Exons	4990..5085, 4991..5086, 5747..5809, 5772..5822, 5924..6121, 5928..6098		

Seq. No.	31204	Seq. ID	OJ990819_15.9B09.C7
Gene No.	64624	Strand	-
Start	6496	End	9919
Name	OJ990819_15.9B09.C7.o2.ts	Method	TBLASTX:Soybean
Start	5747	End	6124
GI	none	Score	164
Exons	5747..5821, 5930..6124		

Seq. No.	31204	Seq. ID	OJ990819_15.9B09.C7
Gene No.	64624	Strand	-
Start	6496	End	9919
Name	OJ990819_15.9B09.C7.o3.gs	Method	GENSCAN
Start	6496	End	9497

GI	none	Score	.74
Exons	6496..6527, 6586..6750, 6759..6837, 8330..8422, 8645..8770, 9129..9208, 9458..9497		

Seq. No.	31204	Seq. ID	OJ990819_15.9B09.C7
Gene No.	64624	Strand	-
Start	6496	End	9919
Name	OJ990819_15.9B09.C7.o2.np	Method	AAT/NAP
Start	7365	End	9919
GI	2342730	Score	308
Exons	7365..7513, 8318..8459, 8645..8770, 9345..9579, 9664..9919		
GI Descrip.	(AC002341) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	31205	Seq. ID	OJ990819_16.9B10.C1
Gene No.	64625	Strand	+
Start	2467	End	2679
Name	OJ990819_16.9B10.C1.o2.gs	Method	GENSCAN
Start	2467	End	2679
GI	none	Score	.42
Exons	2467..2585, 2652..2679		

Seq. No.	31205	Seq. ID	OJ990819_16.9B10.C1
Gene No.	64626	Strand	-
Start	311	End	1781
Name	OJ990819_16.9B10.C1.o1.gs	Method	GENSCAN
Start	311	End	1781
GI	none	Score	.88
Exons	311..430, 612..666, 1738..1781		

Seq. No.	31206	Seq. ID	OJ990819_16.9B10.C2
Gene No.	64627	Strand	+
Start	78	End	3651
Name	OJ990819_16.9B10.C2.o1.gs	Method	GENSCAN
Start	78	End	3651
GI	none	Score	.47
Exons	78..142, 1752..1812, 1972..2086, 3524..3651		

Seq. No.	31206	Seq. ID	OJ990819_16.9B10.C2
Gene No.	64628	Strand	+
Start	5243	End	5363
Name	OJ990819_16.9B10.C2.o1.np	Method	AAT/NAP
Start	5243	End	5363
GI	6815099	Score	85
Exons	5243..5363		
GI Descrip.	(AP001081) hypothetical protein [Oryza sativa]		

Seq. No.	31206	Seq. ID	OJ990819_16.9B10.C2
Gene No.	64629	Strand	+
Start	11557	End	12018
Name	OJ990819_16.9B10.C2.o3.gs	Method	GENSCAN
Start	11557	End	12018
GI	none	Score	.99
Exons	11557..12018		

Seq. No.	31206	Seq. ID	OJ990819_16.9B10.C2
Gene No.	64630	Strand	+
Start	14536	End	17571

Name	OJ990819_16.9B10.C2.o4.gs	Method	GENSCAN
Start	14536	End	17571
GI	none	Score	.52
Exons	14536..14586, 14817..14961, 16041..16166, 17393..17571		

Seq. No.	31206	Seq. ID	OJ990819_16.9B10.C2
Gene No.	64631	Strand	+
Start	20547	End	21845
Name	OJ990819_16.9B10.C2.o5.gs	Method	GENSCAN
Start	20547	End	21845
GI	none	Score	.98
Exons	20547..21105, 21436..21845		

Seq. No.	31206	Seq. ID	OJ990819_16.9B10.C2
Gene No.	64632	Strand	-
Start	5569	End	7443
Name	OJ990819_16.9B10.C2.o2.gs	Method	GENSCAN
Start	5569	End	7443
GI	none	Score	.91
Exons	5569..6029, 7335..7443		

Seq. No.	31206	Seq. ID	OJ990819_16.9B10.C2
Gene No.	64633	Strand	-
Start	12781	End	12871
Name	OJ990819_16.9B10.C2.o2.np	Method	AAT/NAP
Start	12781	End	12871
GI	5852084	Score	81
Exons	12781..12871		
GI Descrip.	(AL117264) zwh0007.1 [Oryza sativa]		

Seq. No.	31206	Seq. ID	OJ990819_16.9B10.C2
Gene No.	64634	Strand	-
Start	22994	End	23734
Name	OJ990819_16.9B10.C2.o1.tm	Method	TBLASTX:Maize
Start	21590	End	21839
GI	none	Score	155
Exons	21590..21730, 21594..21731, 21604..21750, 21661..21750, 21725..21832, 21728..21826, 21732..21839		

Seq. No.	31206	Seq. ID	OJ990819_16.9B10.C2
Gene No.	64634	Strand	-
Start	22994	End	23734
Name	OJ990819_16.9B10.C2.o6.gs	Method	GENSCAN
Start	22994	End	23734
GI	none	Score	.67
Exons	22994..23032, 23068..23191, 23251..23329, 23599..23734		

Seq. No.	31207	Seq. ID	OJ990819_16.9B10.C3
Gene No.	64635	Strand	+
Start	49	End	4484
Name	OJ990819_16.9B10.C3.o1.gs	Method	GENSCAN
Start	49	End	4484
GI	none	Score	.63
Exons	49..167, 1432..1471, 2710..2760, 3101..3313, 4410..4484		

Seq. No.	31207	Seq. ID	OJ990819_16.9B10.C3
Gene No.	64636	Strand	+

Start	6600	End	7228
Name	OJ990819_16.9B10.C3.o3.gs	Method	GENSCAN
Start	6600	End	7228
GI	none	Score	.96
Exons	6600..6621, 6927..7228		

Seq. No.	31207	Seq. ID	OJ990819_16.9B10.C3
Gene No.	64637	Strand	+
Start	7401	End	9374
Name	OJ990819_16.9B10.C3.o4.gs	Method	GENSCAN
Start	7401	End	9374
GI	none	Score	.72
Exons	7401..8115, 8862..9140, 9352..9374		

Seq. No.	31207	Seq. ID	OJ990819_16.9B10.C3
Gene No.	64638	Strand	-
Start	6060	End	6447
Name	OJ990819_16.9B10.C3.o2.gs	Method	GENSCAN
Start	6060	End	6447
GI	none	Score	.98
Exons	6060..6325, 6399..6447		

Seq. No.	31207	Seq. ID	OJ990819_16.9B10.C3
Gene No.	64639	Strand	-
Start	10376	End	10834
Name	OJ990819_16.9B10.C3.o5.gs	Method	GENSCAN
Start	10376	End	10834
GI	none	Score	1
Exons	10376..10834		

Seq. No.	31207	Seq. ID	OJ990819_16.9B10.C3
Gene No.	64640	Strand	-
Start	14050	End	15703
Name	OJ990819_16.9B10.C3.o6.gs	Method	GENSCAN
Start	14050	End	15703
GI	none	Score	.51
Exons	14050..14098, 14683..14853, 15633..15703		

Seq. No.	31207	Seq. ID	OJ990819_16.9B10.C3
Gene No.	64641	Strand	-
Start	16132	End	24272
Name	OJ990819_16.9B10.C3.o4.tm	Method	TBLASTX:Maize
Start	12324	End	12593
GI	none	Score	203
Exons	12324..12593, 12328..12369, 12428..12517		

Seq. No.	31207	Seq. ID	OJ990819_16.9B10.C3
Gene No.	64641	Strand	-
Start	16132	End	24272
Name	OJ990819_16.9B10.C3.o2.tw	Method	TBLASTX:Wheat
Start	12378	End	12881
GI	none	Score	137
Exons	12378..12626, 12548..12643, 12705..12737, 12783..12881		

Seq. No.	31207	Seq. ID	OJ990819_16.9B10.C3
Gene No.	64641	Strand	-
Start	16132	End	24272

Name	OJ990819_16.9B10.C3.o2.tm	Method	TBLASTX:Maize
Start	12779	End	13250
GI	none	Score	240
Exons	12779..12967, 12780..13151, 13173..13250		

Seq. No.	31207	Seq. ID	OJ990819_16.9B10.C3
Gene No.	64641	Strand	-
Start	16132	End	24272
Name	OJ990819_16.9B10.C3.o1.tw	Method	TBLASTX:Wheat
Start	12976	End	13343
GI	none	Score	42
Exons	12976..13017, 13041..13319, 13056..13226, 13300..13341, 13314..13343		

Seq. No.	31207	Seq. ID	OJ990819_16.9B10.C3
Gene No.	64641	Strand	-
Start	16132	End	24272
Name	OJ990819_16.9B10.C3.o5.tm	Method	TBLASTX:Maize
Start	13420	End	13713
GI	none	Score	154
Exons	13420..13602, 13473..13616, 13612..13713		

Seq. No.	31207	Seq. ID	OJ990819_16.9B10.C3
Gene No.	64641	Strand	-
Start	16132	End	24272
Name	OJ990819_16.9B10.C3.o7.gs	Method	GENSCAN
Start	16132	End	24272
GI	none	Score	.45
Exons	16132..16341, 16401..16624, 16721..16901, 18192..18213, 18400..18439, 20329..20786, 21083..21398, 21826..22014, 22467..22683, 24140..24176, 24187..24272		

Seq. No.	31207	Seq. ID	OJ990819_16.9B10.C3
Gene No.	64641	Strand	-
Start	16132	End	24272
Name	OJ990819_16.9B10.C3.o1.np	Method	AAT/NAP
Start	18582	End	21998
GI	3445201	Score	307
Exons	18582..18778, 21216..21398, 21814..21998		
GI Descrip.	(AC004786) unknown protein [Arabidopsis thaliana]		

Seq. No.	31207	Seq. ID	OJ990819_16.9B10.C3
Gene No.	64641	Strand	-
Start	16132	End	24272
Name	OJ990819_16.9B10.C3.o3.tm	Method	TBLASTX:Maize
Start	20093	End	20731
GI	none	Score	39
Exons	20093..20161, 20243..20275, 20244..20273, 20286..20432, 20287..20427, 20291..20446, 20307..20453, 20308..20445, 20429..20581, 20431..20490, 20434..20598, 20570..20626, 20578..20613, 20612..20731, 20616..20708		

Seq. No.	31207	Seq. ID	OJ990819_16.9B10.C3
Gene No.	64641	Strand	-
Start	16132	End	24272
Name	OJ990819_16.9B10.C3.o1.tc	Method	TBLASTX:Cress
Start	21222	End	21355

GI	none	Score	102
Exons	21222..21329, 21223..21330, 21223..21354, 21224..21355		

Seq. No.	31207	Seq. ID	OJ990819_16.9B10.C3
Gene No.	64641	Strand	-
Start	16132	End	24272
Name	OJ990819_16.9B10.C3.o1.tm	Method	TBLASTX:Maize
Start	21223	End	22004
GI	none	Score	233
Exons	21223..21399, 21224..21400, 21224..21400, 21838..21975, 21838..21996, 21845..21991, 21858..22004, 21893..22003		

Seq. No.	31207	Seq. ID	OJ990819_16.9B10.C3
Gene No.	64641	Strand	-
Start	16132	End	24272
Name	OJ990819_16.9B10.C3.o1.ts	Method	TBLASTX:Soybean
Start	21223	End	21971
GI	none	Score	163
Exons	21223..21354, 21224..21355, 21899..21970, 21903..21971		

Seq. No.	31207	Seq. ID	OJ990819_16.9B10.C3
Gene No.	64641	Strand	-
Start	16132	End	24272
Name	OJ990819_16.9B10.C3.o1.gp	Method	AAT/GAP
Start	22474	End	22779
GI	3759785	Score	576
Exons	22474..22779		

Seq. No.	31208	Seq. ID	OJ990819_16.9B10.C5
Gene No.	64642	Strand	+
Start	1	End	562
Name	OJ990819_16.9B10.C5.o1.np	Method	AAT/NAP
Start	1	End	562
GI	6815062	Score	570
Exons	1..562		
GI Descrip.	(AP001080) Similar to Arabidopsis thaliana chromosome II BAC F16P2 genomic sequence;mudrA like protein (AC004561) [Oryza sativa]		

Seq. No.	31208	Seq. ID	OJ990819_16.9B10.C5
Gene No.	64642	Strand	+
Start	1	End	562
Name	OJ990819_16.9B10.C5.o1.tm	Method	TBLASTX:Maize
Start	47	End	551
GI	none	Score	99
Exons	47..172, 48..182, 213..551, 213..467, 257..547		

Seq. No.	31209	Seq. ID	OJ990819_16.9B10.C6
Gene No.	64643	Strand	-
Start	73	End	506
Name	OJ990819_16.9B10.C6.o1.np	Method	AAT/NAP
Start	73	End	506
GI	6815062	Score	179
Exons	73..397, 456..506		
GI Descrip.	(AP001080) Similar to Arabidopsis thaliana chromosome II BAC F16P2 genomic sequence;mudrA like protein (AC004561) [Oryza sativa]		

Seq. No.	31209	Seq. ID	OJ990819_16.9B10.C6
Gene No.	64643	Strand	-
Start	73	End	506
Name	OJ990819_16.9B10.C6.o1.gs	Method	GENSCAN
Start	88	End	312
GI	none	Score	.68
Exons	88..229, 290..312		

Seq. No.	31210	Seq. ID	OJ990819_16.9B10.C7
Gene No.	64644	Strand	+
Start	1189	End	5221
Name	OJ990819_16.9B10.C7.o1.tw	Method	TBLASTX:Wheat
Start	1185	End	1715
GI	none	Score	90
Exons	1185..1298, 1188..1322, 1192..1341, 1193..1333, 1231..1341, 1307..1387, 1453..1713, 1464..1715, 1464..1715		

Seq. No.	31210	Seq. ID	OJ990819_16.9B10.C7
Gene No.	64644	Strand	+
Start	1189	End	5221
Name	OJ990819_16.9B10.C7.o4.tm	Method	TBLASTX:Maize
Start	1185	End	1385
GI	none	Score	103
Exons	1185..1292, 1188..1379, 1231..1383, 1341..1385		

Seq. No.	31210	Seq. ID	OJ990819_16.9B10.C7
Gene No.	64644	Strand	+
Start	1189	End	5221
Name	OJ990819_16.9B10.C7.o1.gs	Method	GENSCAN
Start	1189	End	4241
GI	none	Score	.68
Exons	1189..1383, 1467..1704, 2523..2698, 2834..3109, 3458..3691, 3891..4241		

Seq. No.	31210	Seq. ID	OJ990819_16.9B10.C7
Gene No.	64644	Strand	+
Start	1189	End	5221
Name	OJ990819_16.9B10.C7.o1.tc	Method	TBLASTX:Cress
Start	1464	End	3795
GI	none	Score	167
Exons	1464..1709, 1544..1708, 1712..1774, 1735..1767, 2419..2697, 2423..2779, 2828..3118, 2833..3117, 3434..3703, 3457..3639, 3742..3795		

Seq. No.	31210	Seq. ID	OJ990819_16.9B10.C7
Gene No.	64644	Strand	+
Start	1189	End	5221
Name	OJ990819_16.9B10.C7.o1.np	Method	AAT/NAP
Start	1467	End	5221
GI	6573289	Score	1200
Exons	1467..1764, 2422..2698, 2834..3109, 3458..3695, 3895..3981, 5058..5221		
GI Descrip.	(AB008023) RXW8 [Arabidopsis thaliana]		

Seq. No.	31210	Seq. ID	OJ990819_16.9B10.C7
Gene No.	64644	Strand	+

Start	1189	End	5221
Name	OJ990819_16.9B10.C7.o3.ts	Method	TBLASTX:Soybean
Start	1475	End	1709
GI	none	Score	199
Exons	1475..1612, 1476..1709		

Seq. No.	31210	Seq. ID	OJ990819_16.9B10.C7
Gene No.	64644	Strand	+
Start	1189	End	5221
Name	OJ990819_16.9B10.C7.o3.tm	Method	TBLASTX:Maize
Start	1563	End	1767
GI	none	Score	225
Exons	1563..1715, 1565..1744, 1565..1705, 1566..1715, 1709..1765, 1714..1767		

Seq. No.	31210	Seq. ID	OJ990819_16.9B10.C7
Gene No.	64644	Strand	+
Start	1189	End	5221
Name	OJ990819_16.9B10.C7.o1.gp	Method	AAT/GAP
Start	1676	End	2864
GI	2799446	Score	658
Exons	1676..1764, 2422..2698, 2834..2864		
GI Descrip.	1076334/pir\|\|S51583 1.0e-23 hypothetical protein HYP1 - Arabidopsis thaliana >gi_499168_emb_CAA56145_ (X79707) HYP1 [Arabidopsis thaliana]		

Seq. No.	31210	Seq. ID	OJ990819_16.9B10.C7
Gene No.	64644	Strand	+
Start	1189	End	5221
Name	OJ990819_16.9B10.C7.o2.ts	Method	TBLASTX:Soybean
Start	2411	End	2764
GI	none	Score	75
Exons	2411..2473, 2413..2466, 2474..2764, 2476..2763		

Seq. No.	31210	Seq. ID	OJ990819_16.9B10.C7
Gene No.	64644	Strand	+
Start	1189	End	5221
Name	OJ990819_16.9B10.C7.o2.tm	Method	TBLASTX:Maize
Start	2426	End	3118
GI	none	Score	143
Exons	2426..2638, 2648..2719, 2831..2941, 2918..3118		

Seq. No.	31210	Seq. ID	OJ990819_16.9B10.C7
Gene No.	64644	Strand	+
Start	1189	End	5221
Name	OJ990819_16.9B10.C7.o1.ts	Method	TBLASTX:Soybean
Start	2833	End	3974
GI	none	Score	138
Exons	2833..2955, 2834..2959, 2968..3108, 2971..3114, 2972..3118, 2975..3118, 3455..3694, 3463..3711, 3894..3974		

Seq. No.	31210	Seq. ID	OJ990819_16.9B10.C7
Gene No.	64644	Strand	+
Start	1189	End	5221
Name	OJ990819_16.9B10.C7.o1.tm	Method	TBLASTX:Maize
Start	3502	End	4228
GI	none	Score	283

Exons	3502..3699, 3503..3691, 3843..4016, 3886..3987, 3947..4000, 4065..4208, 4092..4208, 4093..4209, 4100..4228		
Seq. No.	31210	Seq. ID	OJ990819_16.9B10.C7
Gene No.	64644	Strand	+
Start	1189	End	5221
Name	OJ990819_16.9B10.C7.o2.gs	Method	GENSCAN
Start	4866	End	5053
GI	none	Score	.75
Exons	4866..5053		
Seq. No.	31211	Seq. ID	OJ990819_16.9B10.C8
Gene No.	64645	Strand	+
Start	1	End	163
Name	OJ990819_16.9B10.C8.o1.np	Method	AAT/NAP
Start	1	End	163
GI	6815062	Score	150
Exons	1..163		
GI Descrip.	(AP001080) Similar to Arabidopsis thaliana chromosome II BAC F16P2 genomic sequence;mudrA like protein (AC004561) [Oryza sativa]		
Seq. No.	31212	Seq. ID	OJ990819_16.9B10.C9
Gene No.	64646	Strand	-
Start	145	End	235
Name	OJ990819_16.9B10.C9.o1.gs	Method	GENSCAN
Start	145	End	235
GI	none	Score	.48
Exons	145..235		
Seq. No.	31213	Seq. ID	OJ990819_16.9B10.C10
Gene No.	64647	Strand	-
Start	1	End	773
Name	OJ990819_16.9B10.C10.o1.np	Method	AAT/NAP
Start	1	End	773
GI	5690095	Score	391
Exons	1..773		
GI Descrip.	(AJ238507) transposase related protein [Zea mays]		
Seq. No.	31214	Seq. ID	OJ990819_16.9B10.C11
Gene No.	64648	Strand	+
Start	1476	End	8029
Name	OJ990819_16.9B10.C11.o1.gs	Method	GENSCAN
Start	1476	End	8029
GI	none	Score	.48
Exons	1476..1575, 2370..2433, 3119..3610, 5466..5568, 5678..5776, 5972..6042, 6177..6259, 6298..6439, 6543..6730, 7962..8029		
Seq. No.	31214	Seq. ID	OJ990819_16.9B10.C11
Gene No.	64649	Strand	-
Start	1	End	1029
Name	OJ990819_16.9B10.C11.o1.np	Method	AAT/NAP
Start	1	End	1029
GI	3540190	Score	349
Exons	1..241, 749..1029		
GI Descrip.	(AC004122) Hypothetical protein [Arabidopsis thaliana]		

Seq. No.	31214	Seq. ID	OJ990819_16.9B10.C11
Gene No.	64650	Strand	-
Start	7413	End	7907
Name	OJ990819_16.9B10.C11.o1.ts	Method	TBLASTX:Soybean
Start	94	End	1042
GI	none	Score	79
Exons	94..243, 749..859, 751..867, 886..1029, 914..1042		

Seq. No.	31214	Seq. ID	OJ990819_16.9B10.C11
Gene No.	64650	Strand	-
Start	7413	End	7907
Name	OJ990819_16.9B10.C11.o1.tc	Method	TBLASTX:Cress
Start	160	End	1036
GI	none	Score	80
Exons	160..243, 749..859, 754..1035, 914..1036		

Seq. No.	31214	Seq. ID	OJ990819_16.9B10.C11
Gene No.	64650	Strand	-
Start	7413	End	7907
Name	OJ990819_16.9B10.C11.o1.gp	Method	AAT/GAP
Start	7413	End	7907
GI	576771	Score	789
Exons	7413..7624, 7651..7907		
GI Descrip.	576771/gb\|U16256\|OSU16256 0.0e+00 Oryza sativa cone SR1 sucrose-regulated mRNA, 3'-end sequence		

Seq. No.	31215	Seq. ID	OJ990819_16.9B10.C12
Gene No.	64651	Strand	+
Start	1982	End	2931
Name	OJ990819_16.9B10.C12.o1.gs	Method	GENSCAN
Start	1982	End	2931
GI	none	Score	.42
Exons	1982..2117, 2246..2364, 2602..2931		

Seq. No.	31215	Seq. ID	OJ990819_16.9B10.C12
Gene No.	64652	Strand	-
Start	3442	End	3800
Name	OJ990819_16.9B10.C12.o1.np	Method	AAT/NAP
Start	3442	End	3800
GI	6721559	Score	174
Exons	3442..3574, 3607..3800		
GI Descrip.	(AP001073) hypothetical protein [Oryza sativa] gi\|6815084\|dbj\|BAA90370.1\| (AP001081) hypothetical protein [Oryza sativa]		

Seq. No.	31216	Seq. ID	OJ990819_16.9B10.C13
Gene No.	64653	Strand	+
Start	229	End	746
Name	OJ990819_16.9B10.C13.o1.gs	Method	GENSCAN
Start	229	End	746
GI	none	Score	.79
Exons	229..324, 378..746		

Seq. No.	31216	Seq. ID	OJ990819_16.9B10.C13
Gene No.	64654	Strand	-
Start	228	End	699
Name	OJ990819_16.9B10.C13.o1.np	Method	AAT/NAP

Start	228	End	699
GI	6721560	Score	295
Exons	228..533, 586..699		
GI Descrip.	(AP001073) hypothetical protein [Oryza sativa] gi\|6815085\|dbj\|BAA90371.1\| (AP001081) hypothetical protein [Oryza sativa]		

Seq. No.	31216	Seq. ID	OJ990819_16.9B10.C13
Gene No.	64655	Strand	-
Start	2065	End	4512
Name	OJ990819_16.9B10.C13.o2.np	Method	AAT/NAP
Start	1392	End	4512
GI	4680183	Score	197
Exons	1392..1481, 2092..2162, 4419..4512		
GI Descrip.	(AF111709) gag-pol protein [Oryza sativa subsp. indica]		

Seq. No.	31216	Seq. ID	OJ990819_16.9B10.C13
Gene No.	64655	Strand	-
Start	2065	End	4512
Name	OJ990819_16.9B10.C13.o2.gs	Method	GENSCAN
Start	2065	End	4464
GI	none	Score	.77
Exons	2065..2181, 2514..2619, 3820..3877, 4299..4464		

Seq. No.	31217	Seq. ID	OJ990819_16.9B10.C14
Gene No.	64656	Strand	-
Start	1417	End	1477
Name	OJ990819_16.9B10.C14.o1.gp	Method	AAT/GAP
Start	1417	End	1477
GI	2312838	Score	69
Exons	1417..1477		
GI Descrip.	1420932/gb\|U61383\|ORU61383 7.0e-21 Oryza rufipogon 4-coumarate-CoA ligase gene, intron 1, partial sequence		

Seq. No.	31218	Seq. ID	OJ990819_16.9B10.C15
Gene No.	64657	Strand	+
Start	2555	End	10133
Name	OJ990819_16.9B10.C15.o1.gs	Method	GENSCAN
Start	2555	End	10133
GI	none	Score	.71
Exons	2555..2788, 2896..3031, 3074..3276, 3446..3529, 3957..4040, 4127..4240, 4382..4468, 5215..5354, 5447..5534, 6389..6462, 6995..7128, 7243..7484, 9385..9530, 10001..10133		

Seq. No.	31218	Seq. ID	OJ990819_16.9B10.C15
Gene No.	64657	Strand	+
Start	2555	End	10133
Name	OJ990819_16.9B10.C15.o1.gp	Method	AAT/GAP
Start	2629	End	3029
GI	LIB3474-002-P1-K1-G11	Score	798
Exons	2629..3029		
GI Descrip.	'5852170/emb\|AL117265.1\|OST17804 1.0e-177 Oryza sativa indica(GLA4) genomic DNA, chromosome 4, BAC clone:t17804'		

Seq. No.	31218	Seq. ID	OJ990819_16.9B10.C15
Gene No.	64657	Strand	+
Start	2555	End	10133

Name	OJ990819_16.9B10.C15.o1.np	Method	AAT/NAP
Start	2854	End	7517
GI	4263821	Score	1162
Exons	2854..3031, 3759..3859, 3957..4040, 4127..4240, 5185..5354, 5447..5534, 6389..6462, 6995..7139, 7245..7517		
GI Descrip.	(AC006067) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	31218	Seq. ID	OJ990819_16.9B10.C15
Gene No.	64658	Strand	-
Start	6787	End	14004
Name	OJ990819_16.9B10.C15.o1.tm	Method	TBLASTX:Maize
Start	2823	End	4156
GI	none	Score	203
Exons	2823..3026, 2854..3030, 2971..3033, 3781..3858, 3782..3859, 3787..3861, 3955..4029, 3956..4036, 3957..4043, 4126..4149, 4127..4156		

Seq. No.	31218	Seq. ID	OJ990819_16.9B10.C15
Gene No.	64658	Strand	-
Start	6787	End	14004
Name	OJ990819_16.9B10.C15.o1.ts	Method	TBLASTX:Soybean
Start	2853	End	7075
GI	none	Score	176
Exons	2853..3026, 2854..3030, 3781..3864, 3785..3859, 3786..3866, 3960..4043, 3962..4039, 3969..4043, 4106..4246, 4113..4229, 4126..4239, 4379..4468, 4379..4468, 5194..5355, 5214..5354, 5320..5355, 5439..5534, 5444..5539, 5445..5537, 6208..6264, 6388..6459, 6389..6463, 7007..7075, 7008..7073		

Seq. No.	31218	Seq. ID	OJ990819_16.9B10.C15
Gene No.	64658	Strand	-
Start	6787	End	14004
Name	OJ990819_16.9B10.C15.o1.tc	Method	TBLASTX:Cress
Start	4150	End	5537
GI	none	Score	130
Exons	4150..4239, 4151..4246, 4379..4468, 4379..4468, 4383..4469, 5212..5355, 5214..5354, 5444..5536, 5445..5537		

Seq. No.	31218	Seq. ID	OJ990819_16.9B10.C15
Gene No.	64658	Strand	-
Start	6787	End	14004
Name	OJ990819_16.9B10.C15.o3.tm	Method	TBLASTX:Maize
Start	4178	End	5542
GI	none	Score	70
Exons	4178..4243, 4181..4240, 4379..4468, 4388..4459, 5194..5313, 5213..5311, 5214..5312, 5281..5355, 5308..5358, 5309..5365, 5310..5360, 5439..5540, 5444..5542, 5445..5540, 5446..5541		

Seq. No.	31218	Seq. ID	OJ990819_16.9B10.C15
Gene No.	64658	Strand	-
Start	6787	End	14004
Name	OJ990819_16.9B10.C15.o2.tm	Method	TBLASTX:Maize
Start	6415	End	7418
GI	none	Score	79
Exons	6415..6462, 6416..6463, 6993..7070, 6994..7089, 6996..7121, 7241..7300, 7242..7301, 7296..7325, 7300..7335, 7341..7418, 7342..7413, 7362..7418		

Seq. No.	31218	Seq. ID	OJ990819_16.9B10.C15
Gene No.	64658	Strand	-
Start	6787	End	14004
Name	OJ990819_16.9B10.C15.o2.np	Method	AAT/NAP
Start	6787	End	10956
GI	6063557	Score	216
Exons	6787..6849, 10402..10535, 10783..10956		
GI Descrip.	(AP000615) similar to dJ522J7.2 (Z98885) [Oryza sativa]		

Seq. No.	31218	Seq. ID	OJ990819_16.9B10.C15
Gene No.	64658	Strand	-
Start	6787	End	14004
Name	OJ990819_16.9B10.C15.o2.gs	Method	GENSCAN
Start	10803	End	14004
GI	none	Score	.58
Exons	10803..10966, 10997..11113, 12476..12594, 13925..14004		

Seq. No.	31219	Seq. ID	OJ990819_16.9B10.C16
Gene No.	64659	Strand	+
Start	114	End	276
Name	OJ990819_16.9B10.C16.o1.gs	Method	GENSCAN
Start	114	End	276
GI	none	Score	.4
Exons	114..276		

Seq. No.	31220	Seq. ID	OJ990909_11.9B24.C2
Gene No.	64660	Strand	-
Start	310	End	9848
Name	OJ990909_11.9B24.C2.o1.gs	Method	GENSCAN
Start	310	End	9839
GI	none	Score	.4
Exons	310..507, 782..968, 1246..1447, 2442..2527, 5009..5093, 5554..5998, 6980..7600, 7667..7866, 7932..8044, 9469..9839		

Seq. No.	31220	Seq. ID	OJ990909_11.9B24.C2
Gene No.	64660	Strand	-
Start	310	End	9848
Name	OJ990909_11.9B24.C2.o2.np	Method	AAT/NAP
Start	9327	End	9848
GI	5902445	Score	312
Exons	9327..9848		
GI Descrip.	(AB030283) GAG-POL precursor [Oryza sativa]		

Seq. No.	31220	Seq. ID	OJ990909_11.9B24.C2
Gene No.	64660	Strand	-
Start	310	End	9848
Name	OJ990909_11.9B24.C2.o1.tw	Method	TBLASTX:Wheat
Start	9513	End	9842
GI	none	Score	74
Exons	9513..9842, 9712..9816		

Seq. No.	31221	Seq. ID	OJ990909_11.9B24.C3
Gene No.	64661	Strand	-
Start	1	End	5837
Name	OJ990909_11.9B24.C3.o1.np	Method	AAT/NAP
Start	1	End	2240

GI	5902445	Score	1952
Exons	1..396, 432..2240		
GI Descrip.	(AB030283) GAG-POL precursor [Oryza sativa]		

Seq. No.	31221	Seq. ID	OJ990909_11.9B24.C3
Gene No.	64661	Strand	-
Start	1	End	5837
Name	OJ990909_11.9B24.C3.o3.tm	Method	TBLASTX:Maize
Start	1	End	254
GI	none	Score	102
Exons	1..237, 3..254		

Seq. No.	31221	Seq. ID	OJ990909_11.9B24.C3
Gene No.	64661	Strand	-
Start	1	End	5837
Name	OJ990909_11.9B24.C3.o5.tw	Method	TBLASTX:Wheat
Start	6	End	254
GI	none	Score	79
Exons	6..254, 49..246		

Seq. No.	31221	Seq. ID	OJ990909_11.9B24.C3
Gene No.	64661	Strand	-
Start	1	End	5837
Name	OJ990909_11.9B24.C3.o1.gs	Method	GENSCAN
Start	285	End	5837
GI	none	Score	.6
Exons	285..765, 916..959, 1058..1438, 1462..1955, 2220..2266, 2323..2623, 2834..2902, 3141..4305, 4330..4607, 4841..5050, 5159..5346, 5369..5442, 5624..5837		

Seq. No.	31221	Seq. ID	OJ990909_11.9B24.C3
Gene No.	64661	Strand	-
Start	1	End	5837
Name	OJ990909_11.9B24.C3.o7.tw	Method	TBLASTX:Wheat
Start	459	End	711
GI	none	Score	75
Exons	459..704, 463..711		

Seq. No.	31221	Seq. ID	OJ990909_11.9B24.C3
Gene No.	64661	Strand	-
Start	1	End	5837
Name	OJ990909_11.9B24.C3.o4.tw	Method	TBLASTX:Wheat
Start	1013	End	1298
GI	none	Score	44
Exons	1013..1225, 1103..1171, 1229..1297, 1230..1298		

Seq. No.	31221	Seq. ID	OJ990909_11.9B24.C3
Gene No.	64661	Strand	-
Start	1	End	5837
Name	OJ990909_11.9B24.C3.o1.ts	Method	TBLASTX:Soybean
Start	1247	End	1671
GI	none	Score	81
Exons	1247..1429, 1417..1671, 1487..1612		

Seq. No.	31221	Seq. ID	OJ990909_11.9B24.C3
Gene No.	64661	Strand	-
Start	1	End	5837

Name	OJ990909_11.9B24.C3.o2.tw	Method	TBLASTX:Wheat
Start	1302	End	1725
GI	none	Score	55
Exons	1302..1418, 1304..1414, 1397..1615, 1417..1722, 1417..1725		

Seq. No.	31221	Seq. ID	OJ990909_11.9B24.C3
Gene No.	64661	Strand	-
Start	1	End	5837
Name	OJ990909_11.9B24.C3.o2.tm	Method	TBLASTX:Maize
Start	1400	End	1782
GI	none	Score	117
Exons	1400..1615, 1417..1782, 1685..1747		

Seq. No.	31221	Seq. ID	OJ990909_11.9B24.C3
Gene No.	64661	Strand	-
Start	1	End	5837
Name	OJ990909_11.9B24.C3.o1.tm	Method	TBLASTX:Maize
Start	1810	End	2166
GI	none	Score	204
Exons	1810..2166, 1811..2125		

Seq. No.	31221	Seq. ID	OJ990909_11.9B24.C3
Gene No.	64661	Strand	-
Start	1	End	5837
Name	OJ990909_11.9B24.C3.o1.tw	Method	TBLASTX:Wheat
Start	1841	End	2294
GI	none	Score	270
Exons	1841..2200, 1841..2044, 1852..2205, 2208..2294, 2209..2286		

Seq. No.	31221	Seq. ID	OJ990909_11.9B24.C3
Gene No.	64661	Strand	-
Start	1	End	5837
Name	OJ990909_11.9B24.C3.o2.np	Method	AAT/NAP
Start	2307	End	3848
GI	5902444	Score	832
Exons	2307..3848		
GI Descrip.	(AB030283) GAG-POL precursor [Oryza sativa]		

Seq. No.	31221	Seq. ID	OJ990909_11.9B24.C3
Gene No.	64661	Strand	-
Start	1	End	5837
Name	OJ990909_11.9B24.C3.o3.tw	Method	TBLASTX:Wheat
Start	2487	End	2904
GI	none	Score	38
Exons	2487..2723, 2497..2562, 2502..2711, 2605..2721, 2760..2903, 2761..2904		

Seq. No.	31221	Seq. ID	OJ990909_11.9B24.C3
Gene No.	64661	Strand	-
Start	1	End	5837
Name	OJ990909_11.9B24.C3.o6.tw	Method	TBLASTX:Wheat
Start	3636	End	3898
GI	none	Score	52
Exons	3636..3800, 3652..3807, 3854..3898		

Seq. No.	31222	Seq. ID	OJ990909_11.9B24.C4
Gene No.	64662	Strand	+

Start	835	End	4327
Name	OJ990909_11.9B24.C4.o1.gs	Method	GENSCAN
Start	835	End	4327
GI	none	Score	.73
Exons	835..878, 1189..1313, 3292..3721, 3961..4327		

Seq. No.	31222	Seq. ID	OJ990909_11.9B24.C4
Gene No.	64663	Strand	+
Start	8207	End	11474
Name	OJ990909_11.9B24.C4.o1.np	Method	AAT/NAP
Start	8207	End	11474
GI	5902445	Score	2754
Exons	8207..10038, 10080..11169, 11326..11474		
GI Descrip.	(AB030283) GAG-POL precursor [Oryza sativa]		

Seq. No.	31222	Seq. ID	OJ990909_11.9B24.C4
Gene No.	64664	Strand	+
Start	16103	End	19685
Name	OJ990909_11.9B24.C4.o4.gs	Method	GENSCAN
Start	16103	End	19328
GI	none	Score	.74
Exons	16103..16163, 16944..17805, 18301..19328		

Seq. No.	31222	Seq. ID	OJ990909_11.9B24.C4
Gene No.	64664	Strand	+
Start	16103	End	19685
Name	OJ990909_11.9B24.C4.o3.np	Method	AAT/NAP
Start	16688	End	19685
GI	5257279	Score	2937
Exons	16688..17233, 17582..17815, 18443..19685		
GI Descrip.	(AP000364) Similar to Transposon MAGGY gag and pol gene homologues. (L35053) [Oryza sativa]		

Seq. No.	31222	Seq. ID	OJ990909_11.9B24.C4
Gene No.	64665	Strand	-
Start	11235	End	13498
Name	OJ990909_11.9B24.C4.o3.tw	Method	TBLASTX:Wheat
Start	7505	End	7960
GI	none	Score	143
Exons	7505..7687, 7513..7686, 7724..7960, 7726..7842, 7736..7945, 7885..7950		

Seq. No.	31222	Seq. ID	OJ990909_11.9B24.C4
Gene No.	64665	Strand	-
Start	11235	End	13498
Name	OJ990909_11.9B24.C4.o1.tw	Method	TBLASTX:Wheat
Start	8152	End	8609
GI	none	Score	367
Exons	8152..8481, 8153..8479, 8358..8480, 8454..8609, 8462..8608		

Seq. No.	31222	Seq. ID	OJ990909_11.9B24.C4
Gene No.	64665	Strand	-
Start	11235	End	13498
Name	OJ990909_11.9B24.C4.o1.tm	Method	TBLASTX:Maize
Start	8323	End	8639
GI	none	Score	217
Exons	8323..8478, 8324..8479, 8454..8639, 8462..8611		

Seq. No.	31222	Seq. ID	OJ990909_11.9B24.C4
Gene No.	64665	Strand	-
Start	11235	End	13498
Name	OJ990909_11.9B24.C4.o2.tw	Method	TBLASTX:Wheat
Start	8724	End	9145
GI	none	Score	72
Exons	8724..8792, 8795..9112, 8819..9145, 8829..9143		

Seq. No.	31222	Seq. ID	OJ990909_11.9B24.C4
Gene No.	64665	Strand	-
Start	11235	End	13498
Name	OJ990909_11.9B24.C4.o1.ts	Method	TBLASTX:Soybean
Start	8832	End	9200
GI	none	Score	265
Exons	8832..9200, 8834..8959, 9011..9043		

Seq. No.	31222	Seq. ID	OJ990909_11.9B24.C4
Gene No.	64665	Strand	-
Start	11235	End	13498
Name	OJ990909_11.9B24.C4.o3.tm	Method	TBLASTX:Maize
Start	8867	End	9293
GI	none	Score	234
Exons	8867..9100, 8868..9122, 9141..9215, 9220..9258, 9267..9293		

Seq. No.	31222	Seq. ID	OJ990909_11.9B24.C4
Gene No.	64665	Strand	-
Start	11235	End	13498
Name	OJ990909_11.9B24.C4.o5.tw	Method	TBLASTX:Wheat
Start	9290	End	9699
GI	none	Score	213
Exons	9290..9517, 9291..9515, 9311..9517, 9531..9698, 9634..9699		

Seq. No.	31222	Seq. ID	OJ990909_11.9B24.C4
Gene No.	64665	Strand	-
Start	11235	End	13498
Name	OJ990909_11.9B24.C4.o9.tw	Method	TBLASTX:Wheat
Start	9734	End	10058
GI	none	Score	182
Exons	9734..9877, 9735..10058		

Seq. No.	31222	Seq. ID	OJ990909_11.9B24.C4
Gene No.	64665	Strand	-
Start	11235	End	13498
Name	OJ990909_11.9B24.C4.o2.tm	Method	TBLASTX:Maize
Start	10086	End	10547
GI	none	Score	335
Exons	10086..10547, 10205..10405, 10433..10546		

Seq. No.	31222	Seq. ID	OJ990909_11.9B24.C4
Gene No.	64665	Strand	-
Start	11235	End	13498
Name	OJ990909_11.9B24.C4.o4.tw	Method	TBLASTX:Wheat
Start	10200	End	10586
GI	none	Score	350
Exons	10200..10586, 10208..10582		

Seq. No.	31222	Seq. ID	OJ990909_11.9B24.C4
Gene No.	64665	Strand	-
Start	11235	End	13498
Name	OJ990909_11.9B24.C4.o6.tw	Method	TBLASTX:Wheat
Start	10705	End	11149
GI	none	Score	259
Exons	10705..10773, 10719..11006, 10722..10895, 10856..10963, 11021..11149		

Seq. No.	31222	Seq. ID	OJ990909_11.9B24.C4
Gene No.	64665	Strand	-
Start	11235	End	13498
Name	OJ990909_11.9B24.C4.o2.np	Method	AAT/NAP
Start	11235	End	12583
GI	6721561	Score	1243
Exons	11235..12000, 12082..12140, 12211..12399, 12512..12583		
GI Descrip.	(AP001073) EST AU082058(C12976) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa] gi\|6815086\|dbj\|BAA90372.1\| (AP001081) EST AU082058(C12976) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	31222	Seq. ID	OJ990909_11.9B24.C4
Gene No.	64665	Strand	-
Start	11235	End	13498
Name	OJ990909_11.9B24.C4.o3.gs	Method	GENSCAN
Start	11331	End	13498
GI	none	Score	.75
Exons	11331..11907, 12082..12140, 12211..12402, 12469..12593, 12761..12848, 13373..13498		

Seq. No.	31222	Seq. ID	OJ990909_11.9B24.C4
Gene No.	64666	Strand	
Start	18338	End	18724
Name	OJ990909_11.9B24.C4.o8.tw	Method	TBLASTX:Wheat
Start	18338	End	18724
GI	none	Score	149
Exons	18338..18523, 18363..18473, 18383..18538, 18577..18714, 18578..18724		

Seq. No.	31222	Seq. ID	OJ990909_11.9B24.C4
Gene No.	64667	Strand	
Start	19271	End	19653
Name	OJ990909_11.9B24.C4.o4.tm	Method	TBLASTX:Maize
Start	19271	End	19593
GI	none	Score	115
Exons	19271..19429, 19318..19395, 19456..19593		

Seq. No.	31222	Seq. ID	OJ990909_11.9B24.C4
Gene No.	64667	Strand	
Start	19271	End	19653
Name	OJ990909_11.9B24.C4.o7.tw	Method	TBLASTX:Wheat
Start	19276	End	19653
GI	none	Score	128
Exons	19276..19398, 19277..19426, 19362..19430, 19364..19420, 19531..19653, 19531..19647, 19542..19652		

Seq. No.	31223	Seq. ID	OJ990909_11.9B24.C5
Gene No.	64668	Strand	+
Start	152	End	2046
Name	OJ990909_11.9B24.C5.o1.gs	Method	GENSCAN
Start	152	End	2046
GI	none	Score	.78
Exons	152..212, 712..931, 1011..1464, 1620..1765, 1959..2046		

Seq. No.	31223	Seq. ID	OJ990909_11.9B24.C5
Gene No.	64669	Strand	+
Start	3478	End	7293
Name	OJ990909_11.9B24.C5.o4.np	Method	AAT/NAP
Start	3469	End	4917
GI	2921304	Score	859
Exons	3469..4290, 4624..4917		
GI Descrip.	(AF033496) herbicide safener binding protein [Zea mays]		

Seq. No.	31223	Seq. ID	OJ990909_11.9B24.C5
Gene No.	64669	Strand	+
Start	3478	End	7293
Name	OJ990909_11.9B24.C5.o2.gs	Method	GENSCAN
Start	3478	End	7293
GI	none	Score	.57
Exons	3478..4290, 4624..4908, 5179..5486, 5492..5586, 6629..6794, 7101..7293		

Seq. No.	31223	Seq. ID	OJ990909_11.9B24.C5
Gene No.	64669	Strand	+
Start	3478	End	7293
Name	OJ990909_11.9B24.C5.o5.np	Method	AAT/NAP
Start	4623	End	4917
GI	453244	Score	255
Exons	4623..4917		
GI Descrip.	(X77467) flavonoid 7-O-methyltransferase [Hordeum vulgare]		

Seq. No.	31223	Seq. ID	OJ990909_11.9B24.C5
Gene No.	64670	Strand	-
Start	1	End	1987
Name	OJ990909_11.9B24.C5.o2.np	Method	AAT/NAP
Start	1	End	1046
GI	6721558	Score	142
Exons	1..27, 909..1046		
GI Descrip.	(AP001073) hypothetical protein [Oryza sativa] gi\|6815083\|dbj\|BAA90369.1\| (AP001081) hypothetical protein [Oryza sativa]		

Seq. No.	31223	Seq. ID	OJ990909_11.9B24.C5
Gene No.	64670	Strand	-
Start	1	End	1987
Name	OJ990909_11.9B24.C5.o3.np	Method	AAT/NAP
Start	280	End	1987
GI	6721512	Score	75
Exons	280..310, 1720..1858, 1900..1987		
GI Descrip.	(AP001072) hypothetical protein [Oryza sativa]		

Seq. No.	31223	Seq. ID	OJ990909_11.9B24.C5
Gene No.	64670	Strand	-

Start	1	End	1987
Name	OJ990909_11.9B24.C5.o1.np	Method	AAT/NAP
Start	584	End	1103
GI	6907089	Score	159
Exons	584..1103		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		

Seq. No.	31223	Seq. ID	OJ990909_11.9B24.C5
Gene No.	64671	Strand	-
Start	8651	End	8776
Name	OJ990909_11.9B24.C5.o2.tw	Method	TBLASTX:Wheat
Start	3471	End	3918
GI	none	Score	246
Exons	3471..3719, 3472..3720, 3756..3800, 3760..3798, 3817..3915, 3817..3918		

Seq. No.	31223	Seq. ID	OJ990909_11.9B24.C5
Gene No.	64671	Strand	-
Start	8651	End	8776
Name	OJ990909_11.9B24.C5.o1.tm	Method	TBLASTX:Maize
Start	3489	End	6800
GI	none	Score	242
Exons	3489..3716, 3490..3720, 3759..3797, 3760..3798, 3819..3914, 3820..3918, 3942..4133, 3949..4134, 4125..4196, 4126..4206, 4127..4234, 4219..4284, 4225..4299, 4230..4298, 4624..4701, 4665..4736, 4747..4920, 4788..4919, 6526..6612, 6624..6734, 6625..6759, 6765..6800		

Seq. No.	31223	Seq. ID	OJ990909_11.9B24.C5
Gene No.	64671	Strand	-
Start	8651	End	8776
Name	OJ990909_11.9B24.C5.o1.ts	Method	TBLASTX:Soybean
Start	3502	End	4299
GI	none	Score	159
Exons	3502..3720, 3991..4206, 4228..4299		

Seq. No.	31223	Seq. ID	OJ990909_11.9B24.C5
Gene No.	64671	Strand	-
Start	8651	End	8776
Name	OJ990909_11.9B24.C5.o1.tw	Method	TBLASTX:Wheat
Start	3939	End	4299
GI	none	Score	305
Exons	3939..4205, 3949..4206, 4072..4206, 4221..4295, 4222..4299		

Seq. No.	31223	Seq. ID	OJ990909_11.9B24.C5
Gene No.	64671	Strand	-
Start	8651	End	8776
Name	OJ990909_11.9B24.C5.o3.tw	Method	TBLASTX:Wheat
Start	4621	End	6768
GI	none	Score	122
Exons	4621..4989, 4624..4701, 4756..4926, 6499..6711, 6501..6617, 6516..6734, 6526..6759, 6739..6768		

Seq. No.	31223	Seq. ID	OJ990909_11.9B24.C5
Gene No.	64671	Strand	-
Start	8651	End	8776
Name	OJ990909_11.9B24.C5.o3.gs	Method	GENSCAN

Start	8651	End	8776
GI	none	Score	.69
Exons	8651..8776		

Seq. No.	31224	Seq. ID	OJ990909_11.9B24.C6
Gene No.	64672	Strand	+
Start	4835	End	5631
Name	OJ990909_11.9B24.C6.o2.np	Method	AAT/NAP
Start	4835	End	5631
GI	4680183	Score	122
Exons	4835..4932, 5540..5631		
GI Descrip.	(AF111709) gag-pol protein [Oryza sativa subsp. indica]		

Seq. No.	31224	Seq. ID	OJ990909_11.9B24.C6
Gene No.	64673	Strand	-
Start	2373	End	7261
Name	OJ990909_11.9B24.C6.o1.gs	Method	GENSCAN
Start	2373	End	7261
GI	none	Score	.49
Exons	2373..2491, 2649..2716, 2917..3064, 3136..3307, 3312..3441, 3615..3673, 3742..3930, 3999..4123, 4289..4420, 4990..5078, 6330..6514, 6593..6683, 6779..6891, 7046..7261		

Seq. No.	31224	Seq. ID	OJ990909_11.9B24.C6
Gene No.	64673	Strand	-
Start	2373	End	7261
Name	OJ990909_11.9B24.C6.o1.np	Method	AAT/NAP
Start	2789	End	5503
GI	6721561	Score	816
Exons	2789..3534, 3615..3673, 3742..3908, 5416..5503		
GI Descrip.	(AP001073) EST AU082058(C12976) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa] gi\|6815086\|dbj\|BAA90372.1\| (AP001081) EST AU082058(C12976) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	31225	Seq. ID	OJ990909_11.9B24.C7
Gene No.	64674	Strand	+
Start	974	End	1318
Name	OJ990909_11.9B24.C7.o1.gp	Method	AAT/GAP
Start	974	End	1318
GI	none	Score	556
Exons	974..1318		

Seq. No.	31225	Seq. ID	OJ990909_11.9B24.C7
Gene No.	64675	Strand	-
Start	1	End	1704
Name	OJ990909_11.9B24.C7.o1.np	Method	AAT/NAP
Start	1	End	1704
GI	6721512	Score	96
Exons	1..95, 1675..1704		
GI Descrip.	(AP001072) hypothetical protein [Oryza sativa]		

Seq. No.	31225	Seq. ID	OJ990909_11.9B24.C7
Gene No.	64676	Strand	-
Start	2629	End	3070
Name	OJ990909_11.9B24.C7.o2.gp	Method	AAT/GAP

Start	2629	End	3070
GI	uC-osf1cyp089f09b1	Score	838
Exons	2629..3070		
GI Descrip.	'4521194/dbj\|AB013613.1\|AB013613 6.0e-40 Oryza sativa DNA, centromere sequence RCB11'		

Seq. No.	31225	Seq. ID	OJ990909_11.9B24.C7
Gene No.	64677	Strand	-
Start	4486	End	4766
Name	OJ990909_11.9B24.C7.o2.gs	Method	GENSCAN
Start	4486	End	4766
GI	none	Score	.95
Exons	4486..4766		

Seq. No.	31226	Seq. ID	OJ990909_11.9B24.C8
Gene No.	64678	Strand	+
Start	741	End	939
Name	OJ990909_11.9B24.C8.o1.gs	Method	GENSCAN
Start	741	End	939
GI	none	Score	.98
Exons	741..939		

Seq. No.	31226	Seq. ID	OJ990909_11.9B24.C8
Gene No.	64679	Strand	-
Start	1	End	283
Name	OJ990909_11.9B24.C8.o1.gp	Method	AAT/GAP
Start	1	End	283
GI	2428185	Score	518
Exons	1..283		
GI Descrip.	5852170/emb\|AL117265.1\|OST17804 1.0e-177 Oryza sativa indica(GLA4) genomic DNA, chromosome 4, BAC clone:t17804		

Seq. No.	31226	Seq. ID	OJ990909_11.9B24.C8
Gene No.	64680	Strand	-
Start	1175	End	2922
Name	OJ990909_11.9B24.C8.o2.gs	Method	GENSCAN
Start	1175	End	2855
GI	none	Score	.68
Exons	1175..1424, 1508..2033, 2054..2855		

Seq. No.	31226	Seq. ID	OJ990909_11.9B24.C8
Gene No.	64680	Strand	-
Start	1175	End	2922
Name	OJ990909_11.9B24.C8.o1.np	Method	AAT/NAP
Start	1178	End	2922
GI	4680179	Score	2454
Exons	1178..2922		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	31226	Seq. ID	OJ990909_11.9B24.C8
Gene No.	64680	Strand	-
Start	1175	End	2922
Name	OJ990909_11.9B24.C8.o3.tw	Method	TBLASTX:Wheat
Start	1223	End	1556
GI	none	Score	130
Exons	1223..1555, 1275..1556		

Seq. No.	31226	Seq. ID	OJ990909_11.9B24.C8
Gene No.	64680	Strand	-
Start	1175	End	2922
Name	OJ990909_11.9B24.C8.o1.tm	Method	TBLASTX:Maize
Start	1418	End	1975
GI	none	Score	86
Exons	1418..1561, 1419..1562, 1561..1842, 1682..1843, 1840..1974, 1847..1975		

Seq. No.	31226	Seq. ID	OJ990909_11.9B24.C8
Gene No.	64680	Strand	-
Start	1175	End	2922
Name	OJ990909_11.9B24.C8.o2.tw	Method	TBLASTX:Wheat
Start	1558	End	2180
GI	none	Score	152
Exons	1558..1974, 1561..2037, 1676..2011, 2031..2180, 2032..2124, 2159..2179		

Seq. No.	31226	Seq. ID	OJ990909_11.9B24.C8
Gene No.	64680	Strand	-
Start	1175	End	2922
Name	OJ990909_11.9B24.C8.o2.tm	Method	TBLASTX:Maize
Start	2049	End	2341
GI	none	Score	307
Exons	2049..2339, 2053..2340, 2054..2341		

Seq. No.	31226	Seq. ID	OJ990909_11.9B24.C8
Gene No.	64680	Strand	-
Start	1175	End	2922
Name	OJ990909_11.9B24.C8.o1.ts	Method	TBLASTX:Soybean
Start	2139	End	2399
GI	none	Score	182
Exons	2139..2399, 2140..2388		

Seq. No.	31226	Seq. ID	OJ990909_11.9B24.C8
Gene No.	64680	Strand	-
Start	1175	End	2922
Name	OJ990909_11.9B24.C8.o1.tc	Method	TBLASTX:Cress
Start	2163	End	2489
GI	none	Score	87
Exons	2163..2306, 2164..2304, 2307..2489		

Seq. No.	31226	Seq. ID	OJ990909_11.9B24.C8
Gene No.	64680	Strand	-
Start	1175	End	2922
Name	OJ990909_11.9B24.C8.o1.tw	Method	TBLASTX:Wheat
Start	2187	End	2726
GI	none	Score	302
Exons	2187..2726, 2191..2544		

Seq. No.	31226	Seq. ID	OJ990909_11.9B24.C8
Gene No.	64680	Strand	-
Start	1175	End	2922
Name	OJ990909_11.9B24.C8.o3.tm	Method	TBLASTX:Maize
Start	2754	End	2909
GI	none	Score	104
Exons	2754..2909, 2761..2904		

Seq. No.	31226	Seq. ID	OJ990909_11.9B24.C8
Gene No.	64680	Strand	-
Start	1175	End	2922
Name	OJ990909_11.9B24.C8.o4.tw	Method	TBLASTX:Wheat
Start	2754	End	2918
GI	none	Score	136
Exons	2754..2918, 2761..2904		

Seq. No.	31227	Seq. ID	OJ990909_11.9B24.C11
Gene No.	64681	Strand	+
Start	126	End	314
Name	OJ990909_11.9B24.C11.o1.gs	Method	GENSCAN
Start	126	End	314
GI	none	Score	.92
Exons	126..314		

Seq. No.	31227	Seq. ID	OJ990909_11.9B24.C11
Gene No.	64682	Strand	-
Start	1031	End	2827
Name	OJ990909_11.9B24.C11.o1.np	Method	AAT/NAP
Start	1012	End	2827
GI	4680179	Score	2223
Exons	1012..2827		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	31227	Seq. ID	OJ990909_11.9B24.C11
Gene No.	64682	Strand	-
Start	1031	End	2827
Name	OJ990909_11.9B24.C11.o2.gs	Method	GENSCAN
Start	1031	End	2563
GI	none	Score	.56
Exons	1031..2563		

Seq. No.	31227	Seq. ID	OJ990909_11.9B24.C11
Gene No.	64682	Strand	-
Start	1031	End	2827
Name	OJ990909_11.9B24.C11.o3.tw	Method	TBLASTX:Wheat
Start	1052	End	1385
GI	none	Score	104
Exons	1052..1384, 1161..1385		

Seq. No.	31227	Seq. ID	OJ990909_11.9B24.C11
Gene No.	64682	Strand	-
Start	1031	End	2827
Name	OJ990909_11.9B24.C11.o4.tm	Method	TBLASTX:Maize
Start	1064	End	1225
GI	none	Score	62
Exons	1064..1225, 1070..1192		

Seq. No.	31227	Seq. ID	OJ990909_11.9B24.C11
Gene No.	64682	Strand	-
Start	1031	End	2827
Name	OJ990909_11.9B24.C11.o1.tm	Method	TBLASTX:Maize
Start	1244	End	1828
GI	none	Score	109
Exons	1244..1672, 1245..1445, 1385..1732, 1670..1828, 1674..1826		

Seq. No.	31227	Seq. ID	OJ990909_11.9B24.C11
Gene No.	64682	Strand	-
Start	1031	End	2827
Name	OJ990909_11.9B24.C11.o1.tw	Method	TBLASTX:Wheat
Start	1385	End	2011
GI	none	Score	179
Exons	1385..1918, 1385..2011, 1497..2009		

Seq. No.	31227	Seq. ID	OJ990909_11.9B24.C11
Gene No.	64682	Strand	-
Start	1031	End	2827
Name	OJ990909_11.9B24.C11.o2.tm	Method	TBLASTX:Maize
Start	1880	End	2171
GI	none	Score	245
Exons	1880..2170, 1884..2171		

Seq. No.	31227	Seq. ID	OJ990909_11.9B24.C11
Gene No.	64682	Strand	-
Start	1031	End	2827
Name	OJ990909_11.9B24.C11.o1.ts	Method	TBLASTX:Soybean
Start	1973	End	2219
GI	none	Score	152
Exons	1973..2218, 1974..2219		

Seq. No.	31227	Seq. ID	OJ990909_11.9B24.C11
Gene No.	64682	Strand	-
Start	1031	End	2827
Name	OJ990909_11.9B24.C11.o1.tc	Method	TBLASTX:Cress
Start	1994	End	2311
GI	none	Score	107
Exons	1994..2137, 1995..2135, 2138..2311, 2194..2304		

Seq. No.	31227	Seq. ID	OJ990909_11.9B24.C11
Gene No.	64682	Strand	-
Start	1031	End	2827
Name	OJ990909_11.9B24.C11.o2.tw	Method	TBLASTX:Wheat
Start	2018	End	2585
GI	none	Score	330
Exons	2018..2446, 2022..2585		

Seq. No.	31227	Seq. ID	OJ990909_11.9B24.C11
Gene No.	64682	Strand	-
Start	1031	End	2827
Name	OJ990909_11.9B24.C11.o3.tm	Method	TBLASTX:Maize
Start	2564	End	2827
GI	none	Score	45
Exons	2564..2623, 2585..2827, 2670..2825		

Seq. No.	31227	Seq. ID	OJ990909_11.9B24.C11
Gene No.	64682	Strand	-
Start	1031	End	2827
Name	OJ990909_11.9B24.C11.o4.tw	Method	TBLASTX:Wheat
Start	2588	End	2827
GI	none	Score	119
Exons	2588..2827, 2589..2822, 2666..2827		

Seq. No.	31228	Seq. ID	OJ990909_11.9B24.C13
Gene No.	64683	Strand	+
Start	1552	End	6545
Name	OJ990909_11.9B24.C13.o1.gs	Method	GENSCAN
Start	1552	End	6538
GI	none	Score	.51
Exons	1552..1603, 1910..2213, 2252..2387, 4749..4871, 4962..5312, 5719..5897, 6093..6270, 6367..6538		

Seq. No.	31228	Seq. ID	OJ990909_11.9B24.C13
Gene No.	64683	Strand	+
Start	1552	End	6545
Name	OJ990909_11.9B24.C13.o1.np	Method	AAT/NAP
Start	4641	End	5437
GI	4512231	Score	1221
Exons	4641..5437		
GI Descrip.	(AB014741) ORF0 protein [Oryza sativa]		

Seq. No.	31228	Seq. ID	OJ990909_11.9B24.C13
Gene No.	64683	Strand	+
Start	1552	End	6545
Name	OJ990909_11.9B24.C13.o2.np	Method	AAT/NAP
Start	5675	End	6545
GI	4680179	Score	728
Exons	5675..6545		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	31228	Seq. ID	OJ990909_11.9B24.C13
Gene No.	64683	Strand	+
Start	1552	End	6545
Name	OJ990909_11.9B24.C13.o2.tw	Method	TBLASTX:Wheat
Start	5883	End	6081
GI	none	Score	195
Exons	5883..6080, 5899..6081		

Seq. No.	31228	Seq. ID	OJ990909_11.9B24.C13
Gene No.	64683	Strand	+
Start	1552	End	6545
Name	OJ990909_11.9B24.C13.o1.tw	Method	TBLASTX:Wheat
Start	6132	End	6483
GI	none	Score	300
Exons	6132..6242, 6133..6483, 6281..6325		

Seq. No.	31228	Seq. ID	OJ990909_11.9B24.C13
Gene No.	64683	Strand	+
Start	1552	End	6545
Name	OJ990909_11.9B24.C13.o1.tm	Method	TBLASTX:Maize
Start	6133	End	6471
GI	none	Score	230
Exons	6133..6471, 6133..6342		

Seq. No.	31229	Seq. ID	OJ990909_11.9B24.C14
Gene No.	64684	Strand	-
Start	1	End	3527
Name	OJ990909_11.9B24.C14.o1.np	Method	AAT/NAP
Start	1	End	3527
GI	5922631	Score	3902

Exons	1..1419, 2026..2952, 3079..3230, 3273..3527		
GI Descrip.	(AP000492) ESTs C26347(C12145),AU078074(C12145) correspond to a region of the predicted gene.; similar to prpol; Zea mays retrotransposon Cinful-1. (AF049110) [Oryza sativa] gi\|6016864\|dbj\|BAA85207.1\| (AP000570) ESTs C26347(C12145),AU078074(C12145) correspond to a region of the predicted gene.; Similar to prpol; Zea mays retrotransposon Cinful-1. (AF049110) [Oryza sativ		

Seq. No.	31229	Seq. ID	OJ990909_11.9B24.C14
Gene No.	64684	Strand	-
Start	1	End	3527
Name	OJ990909_11.9B24.C14.o6.tw	Method	TBLASTX:Wheat
Start	2	End	298
GI	none	Score	51
Exons	2..97, 24..101, 37..108, 151..261, 164..298		

Seq. No.	31229	Seq. ID	OJ990909_11.9B24.C14
Gene No.	64684	Strand	-
Start	1	End	3527
Name	OJ990909_11.9B24.C14.o3.tw	Method	TBLASTX:Wheat
Start	314	End	736
GI	none	Score	235
Exons	314..736, 390..731		

Seq. No.	31229	Seq. ID	OJ990909_11.9B24.C14
Gene No.	64684	Strand	-
Start	1	End	3527
Name	OJ990909_11.9B24.C14.o2.ts	Method	TBLASTX:Soybean
Start	357	End	745
GI	none	Score	122
Exons	357..605, 359..601, 641..745, 651..737		

Seq. No.	31229	Seq. ID	OJ990909_11.9B24.C14
Gene No.	64684	Strand	-
Start	1	End	3527
Name	OJ990909_11.9B24.C14.o3.tm	Method	TBLASTX:Maize
Start	410	End	682
GI	none	Score	133
Exons	410..508, 512..682		

Seq. No.	31229	Seq. ID	OJ990909_11.9B24.C14
Gene No.	64684	Strand	-
Start	1	End	3527
Name	OJ990909_11.9B24.C14.o4.tw	Method	TBLASTX:Wheat
Start	773	End	1190
GI	none	Score	94
Exons	773..949, 944..1189, 945..1190		

Seq. No.	31229	Seq. ID	OJ990909_11.9B24.C14
Gene No.	64684	Strand	-
Start	1	End	3527
Name	OJ990909_11.9B24.C14.o1.ts	Method	TBLASTX:Soybean
Start	860	End	1360
GI	none	Score	129
Exons	860..1360, 1200..1343		

Seq. No.	31229	Seq. ID	OJ990909_11.9B24.C14
Gene No.	64684	Strand	-
Start	1	End	3527
Name	OJ990909_11.9B24.C14.o2.tm	Method	TBLASTX:Maize
Start	1112	End	1495
GI	none	Score	135
Exons	1112..1495, 1155..1391		

Seq. No.	31229	Seq. ID	OJ990909_11.9B24.C14
Gene No.	64684	Strand	-
Start	1	End	3527
Name	OJ990909_11.9B24.C14.o2.tw	Method	TBLASTX:Wheat
Start	1235	End	1654
GI	none	Score	236
Exons	1235..1654, 1236..1652		

Seq. No.	31229	Seq. ID	OJ990909_11.9B24.C14
Gene No.	64684	Strand	-
Start	1	End	3527
Name	OJ990909_11.9B24.C14.o1.tm	Method	TBLASTX:Maize
Start	1523	End	1879
GI	none	Score	196
Exons	1523..1879, 1533..1838		

Seq. No.	31229	Seq. ID	OJ990909_11.9B24.C14
Gene No.	64684	Strand	-
Start	1	End	3527
Name	OJ990909_11.9B24.C14.o3.ts	Method	TBLASTX:Soybean
Start	1604	End	1969
GI	none	Score	126
Exons	1604..1738, 1745..1969		

Seq. No.	31229	Seq. ID	OJ990909_11.9B24.C14
Gene No.	64684	Strand	-
Start	1	End	3527
Name	OJ990909_11.9B24.C14.o5.tw	Method	TBLASTX:Wheat
Start	1654	End	1888
GI	none	Score	150
Exons	1654..1818, 1655..1888, 1656..1886		

Seq. No.	31229	Seq. ID	OJ990909_11.9B24.C14
Gene No.	64684	Strand	-
Start	1	End	3527
Name	OJ990909_11.9B24.C14.o1.tw	Method	TBLASTX:Wheat
Start	1889	End	2686
GI	none	Score	116
Exons	1889..2182, 1893..2054, 2229..2465, 2231..2461, 2510..2686		

Seq. No.	31229	Seq. ID	OJ990909_11.9B24.C14
Gene No.	64684	Strand	-
Start	1	End	3527
Name	OJ990909_11.9B24.C14.o5.tm	Method	TBLASTX:Maize
Start	2201	End	2378
GI	none	Score	106
Exons	2201..2377, 2232..2378		

Seq. No.	31229	Seq. ID	OJ990909_11.9B24.C14

Gene No.	64684	Strand	-
Start	1	End	3527
Name	OJ990909_11.9B24.C14.o4.tm	Method	TBLASTX:Maize
Start	3167	End	3427
GI	none	Score	62
Exons	3167..3427, 3191..3421, 3222..3425		

Seq. No.	31230	Seq. ID	OJ990909_11.9B24.C15
Gene No.	64685	Strand	+
Start	573	End	1332
Name	OJ990909_11.9B24.C15.o1.gp	Method	AAT/GAP
Start	573	End	1332
GI	5816562	Score	671
Exons	573..597, 919..1332		
GI Descrip.	6016845/dbj\|AP000570.1\|AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10		

Seq. No.	31230	Seq. ID	OJ990909_11.9B24.C15
Gene No.	64686	Strand	+
Start	13666	End	19090
Name	OJ990909_11.9B24.C15.o5.np	Method	AAT/NAP
Start	13203	End	14998
GI	6815097	Score	43
Exons	13203..13222, 14855..14998		
GI Descrip.	(AP001081) Similar to putative copia polyprotein (AC006248) [Oryza sativa]		

Seq. No.	31230	Seq. ID	OJ990909_11.9B24.C15
Gene No.	64686	Strand	+
Start	13666	End	19090
Name	OJ990909_11.9B24.C15.o4.gs	Method	GENSCAN
Start	13666	End	19090
GI	none	Score	.65
Exons	13666..14118, 15004..15128, 18316..19090		

Seq. No.	31230	Seq. ID	OJ990909_11.9B24.C15
Gene No.	64687	Strand	-
Start	1	End	872
Name	OJ990909_11.9B24.C15.o1.np	Method	AAT/NAP
Start	1	End	872
GI	4680183	Score	882
Exons	1..872		
GI Descrip.	(AF111709) gag-pol protein [Oryza sativa subsp. indica]		

Seq. No.	31230	Seq. ID	OJ990909_11.9B24.C15
Gene No.	64688	Strand	-
Start	3242	End	5333
Name	OJ990909_11.9B24.C15.o2.np	Method	AAT/NAP
Start	3242	End	5333
GI	2921304	Score	927
Exons	3242..3535, 4518..5333		
GI Descrip.	(AF033496) herbicide safener binding protein [Zea mays]		

Seq. No.	31230	Seq. ID	OJ990909 11.9B24.C15
Gene No.	64689	Strand	-
Start	8619	End	11246
Name	OJ990909_11.9B24.C15.o3.np	Method	AAT/NAP

Start	8619	End	10862
GI	2213632	Score	724
Exons	8619..8658, 10123..10862		
GI Descrip.	(AC000103) F21J9.24 [Arabidopsis thaliana]		

Seq. No.	31230	Seq. ID	OJ990909_11.9B24.C15
Gene No.	64689	Strand	-
Start	8619	End	11246
Name	OJ990909_11.9B24.C15.o2.gs	Method	GENSCAN
Start	9903	End	11246
GI	none	Score	.9
Exons	9903..11246		

Seq. No.	31230	Seq. ID	OJ990909_11.9B24.C15
Gene No.	64690	Strand	-
Start	11658	End	12554
Name	OJ990909_11.9B24.C15.o3.gs	Method	GENSCAN
Start	11658	End	12518
GI	none	Score	.57
Exons	11658..12518		

Seq. No.	31230	Seq. ID	OJ990909_11.9B24.C15
Gene No.	64690	Strand	-
Start	11658	End	12554
Name	OJ990909_11.9B24.C15.o4.np	Method	AAT/NAP
Start	12050	End	12554
GI	4741185	Score	177
Exons	12050..12554		
GI Descrip.	(AL049746) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	31230	Seq. ID	OJ990909_11.9B24.C15
Gene No.	64691	Strand	-
Start	15962	End	18328
Name	OJ990909_11.9B24.C15.o2.gp	Method	AAT/GAP
Start	15962	End	18328
GI	3107009	Score	669
Exons	15962..16152, 17100..17188, 18237..18328		
GI Descrip.	4521194/dbj\|AB013613.1\|AB013613 6.0e-40 Oryza sativa DNA, centromere sequence RCB11		

Seq. No.	31230	Seq. ID	OJ990909_11.9B24.C15
Gene No.	64692	Strand	-
Start	20016	End	20239
Name	OJ990909_11.9B24.C15.o4.tw	Method	TBLASTX:Wheat
Start	3225	End	3493
GI	none	Score	252
Exons	3225..3488, 3227..3493		

Seq. No.	31230	Seq. ID	OJ990909_11.9B24.C15
Gene No.	64692	Strand	-
Start	20016	End	20239
Name	OJ990909_11.9B24.C15.o1.tm	Method	TBLASTX:Maize
Start	3239	End	5313
GI	none	Score	145
Exons	3239..3412, 3240..3413, 3423..3488, 3461..3517, 3630..3683, 4512..4583, 4516..4578, 4524..4583, 4572..4664, 4578..4685, 4585..4686, 4660..4869, 4677..4868, 4887..4985, 4888..4980,		

5007..5045, 5082..5312, 5086..5313

Seq. No.	31230	Seq. ID	OJ990909_11.9B24.C15
Gene No.	64692	Strand	-
Start	20016	End	20239
Name	OJ990909_11.9B24.C15.o1.ts	Method	TBLASTX:Soybean
Start	4504	End	5300
GI	none	Score	135
Exons	4504..4734, 4512..4820, 4830..4868, 5082..5300		

Seq. No.	31230	Seq. ID	OJ990909_11.9B24.C15
Gene No.	64692	Strand	-
Start	20016	End	20239
Name	OJ990909_11.9B24.C15.o1.tw	Method	TBLASTX:Wheat
Start	4512	End	4898
GI	none	Score	265
Exons	4512..4862, 4512..4898, 4516..4884		

Seq. No.	31230	Seq. ID	OJ990909_11.9B24.C15
Gene No.	64692	Strand	-
Start	20016	End	20239
Name	OJ990909_11.9B24.C15.o3.tw	Method	TBLASTX:Wheat
Start	4899	End	5331
GI	none	Score	80
Exons	4899..4988, 4899..4988, 5007..5045, 5082..5330, 5083..5331		

Seq. No.	31230	Seq. ID	OJ990909_11.9B24.C15
Gene No.	64692	Strand	-
Start	20016	End	20239
Name	OJ990909_11.9B24.C15.o3.tm	Method	TBLASTX:Maize
Start	10140	End	10478
GI	none	Score	95
Exons	10140..10205, 10212..10478, 10224..10415, 10318..10476		

Seq. No.	31230	Seq. ID	OJ990909_11.9B24.C15
Gene No.	64692	Strand	-
Start	20016	End	20239
Name	OJ990909_11.9B24.C15.o2.tw	Method	TBLASTX:Wheat
Start	10152	End	10566
GI	none	Score	50
Exons	10152..10388, 10156..10269, 10158..10379, 10306..10386, 10387..10524, 10389..10553, 10389..10565, 10399..10566		

Seq. No.	31230	Seq. ID	OJ990909_11.9B24.C15
Gene No.	64692	Strand	-
Start	20016	End	20239
Name	OJ990909_11.9B24.C15.o2.tm	Method	TBLASTX:Maize
Start	10479	End	10910
GI	none	Score	82
Exons	10479..10577, 10480..10578, 10581..10910, 10582..10665, 10583..10702, 10759..10884		

Seq. No.	31230	Seq. ID	OJ990909_11.9B24.C15
Gene No.	64692	Strand	-
Start	20016	End	20239
Name	OJ990909_11.9B24.C15.o5.tw	Method	TBLASTX:Wheat
Start	10698	End	11057

GI	none	Score	96
Exons	10698..11057, 10723..11025		

Seq. No.	31230	Seq. ID	OJ990909_11.9B24.C15
Gene No.	64692	Strand	-
Start	20016	End	20239
Name	OJ990909_11.9B24.C15.o5.gs	Method	GENSCAN
Start	20016	End	20239
GI	none	Score	.68
Exons	20016..20069, 20099..20239		

Seq. No.	31231	Seq. ID	OJ990909_11.9B24.C17
Gene No.	64693	Strand	-
Start	1	End	598
Name	OJ990909_11.9B24.C17.o1.np	Method	AAT/NAP
Start	1	End	598
GI	5257279	Score	985
Exons	1..598		
GI Descrip.	(AP000364) Similar to Transposon MAGGY gag and pol gene homologues. (L35053) [Oryza sativa]		

Seq. No.	31231	Seq. ID	OJ990909_11.9B24.C17
Gene No.	64693	Strand	-
Start	1	End	598
Name	OJ990909_11.9B24.C17.o1.tm	Method	TBLASTX:Maize
Start	163	End	597
GI	none	Score	54
Exons	163..597, 356..529		

Seq. No.	31231	Seq. ID	OJ990909_11.9B24.C17
Gene No.	64693	Strand	-
Start	1	End	598
Name	OJ990909_11.9B24.C17.o1.tw	Method	TBLASTX:Wheat
Start	187	End	598
GI	none	Score	80
Exons	187..597, 191..334, 220..546, 362..598		

Seq. No.	31232	Seq. ID	OJ990909_11.9B24.C18
Gene No.	64694	Strand	+
Start	1	End	519
Name	OJ990909_11.9B24.C18.o1.np	Method	AAT/NAP
Start	1	End	519
GI	4680179	Score	399
Exons	1..519		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	31232	Seq. ID	OJ990909_11.9B24.C18
Gene No.	64694	Strand	+
Start	1	End	519
Name	OJ990909_11.9B24.C18.o1.tm	Method	TBLASTX:Maize
Start	2	End	251
GI	none	Score	163
Exons	2..142, 144..251		

Seq. No.	31232	Seq. ID	OJ990909_11.9B24.C18
Gene No.	64694	Strand	+
Start	1	End	519

Name	OJ990909_11.9B24.C18.o1.tw	Method	TBLASTX:Wheat
Start	62	End	479
GI	none	Score	65
Exons	62..142, 144..251, 324..479		

Seq. No.	31233	Seq. ID	OJ990909_11.9B24.C19
Gene No.	64695	Strand	+
Start	341	End	557
Name	OJ990909_11.9B24.C19.o1.gs	Method	GENSCAN
Start	341	End	557
GI	none	Score	.91
Exons	341..557		

Seq. No.	31234	Seq. ID	OJ990909_11.9B24.C20
Gene No.	64696	Strand	+
Start	58	End	362
Name	OJ990909_11.9B24.C20.o1.gs	Method	GENSCAN
Start	58	End	362
GI	none	Score	.82
Exons	58..116, 161..362		

Seq. No.	31234	Seq. ID	OJ990909_11.9B24.C20
Gene No.	64697	Strand	+
Start	279	End	385
Name	OJ990909_11.9B24.C20.o1.np	Method	AAT/NAP
Start	279	End	385
GI	3252868	Score	63
Exons	279..385		
GI Descrip.	(AF033536) putative zinc transporter [Arabidopsis thaliana]		

Seq. No.	31235	Seq. ID	OJ990909_11.9B24.C21
Gene No.	64698	Strand	+
Start	271	End	922
Name	OJ990909_11.9B24.C21.o1.np	Method	AAT/NAP
Start	271	End	922
GI	5295955	Score	147
Exons	271..389, 884..922		
GI Descrip.	(AB026295) Similar to Epstein-Barr virus (EBV) genome.(V01555) [Oryza sativa]		

Seq. No.	31236	Seq. ID	OJ990909_11.9B24.C22
Gene No.	64699	Strand	-
Start	1	End	743
Name	OJ990909_11.9B24.C22.o1.np	Method	AAT/NAP
Start	1	End	743
GI	6721517	Score	944
Exons	1..209, 258..743		
GI Descrip.	(AP001072) Similar to polyprotein. (AF061282) [Oryza sativa]		

Seq. No.	31236	Seq. ID	OJ990909_11.9B24.C22
Gene No.	64699	Strand	-
Start	1	End	743
Name	OJ990909_11.9B24.C22.o1.tw	Method	TBLASTX:Wheat
Start	48	End	284
GI	none	Score	78
Exons	48..212, 70..165, 219..284		

Seq. No.	31236	Seq. ID	OJ990909_11.9B24.C22
Gene No.	64699	Strand	-
Start	1	End	743
Name	OJ990909_11.9B24.C22.o2.tw	Method	TBLASTX:Wheat
Start	501	End	743
GI	none	Score	98
Exons	501..566, 552..743, 640..741		

Seq. No.	31237	Seq. ID	OJ990909_11.9B24.C24
Gene No.	64700	Strand	-
Start	75	End	518
Name	OJ990909_11.9B24.C24.o1.np	Method	AAT/NAP
Start	75	End	518
GI	602758	Score	118
Exons	75..208, 344..416, 450..518		
GI Descrip.	(L38581) clp-like energy-dependent protease [Lycopersicon esculentum]		

Seq. No.	31237	Seq. ID	OJ990909_11.9B24.C24
Gene No.	64700	Strand	-
Start	75	End	518
Name	OJ990909_11.9B24.C24.o1.ts	Method	TBLASTX:Soybean
Start	111	End	408
GI	none	Score	133
Exons	111..206, 116..214, 125..211, 340..408, 344..400		

Seq. No.	31237	Seq. ID	OJ990909_11.9B24.C24
Gene No.	64700	Strand	-
Start	75	End	518
Name	OJ990909_11.9B24.C24.o1.tm	Method	TBLASTX:Maize
Start	122	End	408
GI	none	Score	133
Exons	122..214, 126..221, 335..403, 346..408, 346..399, 347..400		

Seq. No.	31238	Seq. ID	OJ990909_11.9B24.C25
Gene No.	64701	Strand	+
Start	105	End	273
Name	OJ990909_11.9B24.C25.o1.np	Method	AAT/NAP
Start	105	End	273
GI	4680183	Score	51
Exons	105..273		
GI Descrip.	(AF111709) gag-pol protein [Oryza sativa subsp. indica]		

Seq. No.	31239	Seq. ID	OJ990909_11.9B24.C26
Gene No.	64702	Strand	+
Start	1	End	688
Name	OJ990909_11.9B24.C26.o1.np	Method	AAT/NAP
Start	1	End	688
GI	5441880	Score	360
Exons	1..31, 266..688		
GI Descrip.	(AP000367) EST C28952(C62945) corresponds to a region of the predicted gene.; Similar to maize transposon MuDR mudrA protein. (AC003981) [Oryza sativa]		

Seq. No.	31239	Seq. ID	OJ990909_11.9B24.C26
Gene No.	64702	Strand	+
Start	1	End	688

Name	OJ990909_11.9B24.C26.o1.gs	Method	GENSCAN
Start	98	End	589
GI	none	Score	.5
Exons	98..589		

Seq. No.	31240	Seq. ID	OJ990909_11.9B24.C28
Gene No.	64703	Strand	-
Start	702	End	843
Name	OJ990909_11.9B24.C28.o1.gs	Method	GENSCAN
Start	702	End	843
GI	none	Score	.5
Exons	702..843		

Seq. No.	31241	Seq. ID	OJ990909_11.9B24.C30
Gene No.	64704	Strand	-
Start	1	End	296
Name	OJ990909_11.9B24.C30.o1.np	Method	AAT/NAP
Start	1	End	296
GI	6721517	Score	216
Exons	1..179, 233..296		
GI Descrip.	(AP001072) Similar to polyprotein. (AF061282) [Oryza sativa]		

Seq. No.	31241	Seq. ID	OJ990909_11.9B24.C30
Gene No.	64704	Strand	-
Start	1	End	296
Name	OJ990909_11.9B24.C30.o1.gs	Method	GENSCAN
Start	84	End	293
GI	none	Score	.78
Exons	84..293		

Seq. No.	31242	Seq. ID	OJ990419_05.9B05.C2
Gene No.	64705	Strand	-
Start	55	End	172
Name	OJ990419_05.9B05.C2.o1.gs	Method	GENSCAN
Start	55	End	172
GI	none	Score	.93
Exons	55..172		

Seq. No.	31243	Seq. ID	OJ990419_05.9B05.C3
Gene No.	64706	Strand	+
Start	1	End	1070
Name	OJ990419_05.9B05.C3.o1.np	Method	AAT/NAP
Start	1	End	1070
GI	4416302	Score	950
Exons	1..1070		
GI Descrip.	(AF105716) copia-type pol polyprotein [Zea mays]		

Seq. No.	31243	Seq. ID	OJ990419_05.9B05.C3
Gene No.	64706	Strand	+
Start	1	End	1070
Name	OJ990419_05.9B05.C3.o1.tw	Method	TBLASTX:Wheat
Start	3	End	383
GI	none	Score	64
Exons	3..56, 96..374, 96..383		

Seq. No.	31243	Seq. ID	OJ990419_05.9B05.C3
Gene No.	64706	Strand	+

Start	1	End	1070
Name	OJ990419_05.9B05.C3.o1.gs	Method	GENSCAN
Start	21	End	701
GI	none	Score	.95
Exons	21..701		

Seq. No.	31243	Seq. ID	OJ990419_05.9B05.C3
Gene No.	64706	Strand	+
Start	1	End	1070
Name	OJ990419_05.9B05.C3.o1.tm	Method	TBLASTX:Maize
Start	45	End	833
GI	none	Score	109
Exons	45..116, 52..117, 71..118, 116..733, 117..734, 741..833, 792..833		

Seq. No.	31243	Seq. ID	OJ990419_05.9B05.C3
Gene No.	64706	Strand	+
Start	1	End	1070
Name	OJ990419_05.9B05.C3.o1.ts	Method	TBLASTX:Soybean
Start	225	End	686
GI	none	Score	331
Exons	225..686, 296..415, 482..634		

Seq. No.	31243	Seq. ID	OJ990419_05.9B05.C3
Gene No.	64706	Strand	+
Start	1	End	1070
Name	OJ990419_05.9B05.C3.o1.tc	Method	TBLASTX:Cress
Start	270	End	683
GI	none	Score	196
Exons	270..683		

Seq. No.	31243	Seq. ID	OJ990419_05.9B05.C3
Gene No.	64706	Strand	+
Start	1	End	1070
Name	OJ990419_05.9B05.C3.o2.tw	Method	TBLASTX:Wheat
Start	468	End	809
GI	none	Score	98
Exons	468..536, 552..722, 561..698, 562..720, 719..799, 723..809		

Seq. No.	31244	Seq. ID	OJ990419_05.9B05.C4
Gene No.	64707	Strand	-
Start	1	End	727
Name	OJ990419_05.9B05.C4.o1.np	Method	AAT/NAP
Start	1	End	727
GI	6630685	Score	784
Exons	1..590, 670..727		
GI Descrip.	(AP000969) Similar to copia-type pol polyprotein. (AF105716) [Oryza sativa]		

Seq. No.	31244	Seq. ID	OJ990419_05.9B05.C4
Gene No.	64707	Strand	-
Start	1	End	727
Name	OJ990419_05.9B05.C4.o2.ts	Method	TBLASTX:Soybean
Start	16	End	205
GI	none	Score	103
Exons	16..204, 17..205		

Seq. No.	31244	Seq. ID	OJ990419_05.9B05.C4
Gene No.	64707	Strand	-
Start	1	End	727
Name	OJ990419_05.9B05.C4.o1.tm	Method	TBLASTX:Maize
Start	59	End	539
GI	none	Score	150
Exons	59..205, 59..199, 61..204, 243..539, 244..531, 246..539		

Seq. No.	31244	Seq. ID	OJ990419_05.9B05.C4
Gene No.	64707	Strand	-
Start	1	End	727
Name	OJ990419_05.9B05.C4.o1.tw	Method	TBLASTX:Wheat
Start	118	End	539
GI	none	Score	102
Exons	118..171, 225..365, 378..539		

Seq. No.	31244	Seq. ID	OJ990419_05.9B05.C4
Gene No.	64707	Strand	-
Start	1	End	727
Name	OJ990419_05.9B05.C4.o1.ts	Method	TBLASTX:Soybean
Start	225	End	569
GI	none	Score	86
Exons	225..569, 226..561		

Seq. No.	31244	Seq. ID	OJ990419_05.9B05.C4
Gene No.	64707	Strand	-
Start	1	End	727
Name	OJ990419_05.9B05.C4.o1.gs	Method	GENSCAN
Start	377	End	578
GI	none	Score	.46
Exons	377..578		

Seq. No.	31245	Seq. ID	OJ990419_05.9B05.C5
Gene No.	64708	Strand	-
Start	197	End	524
Name	OJ990419_05.9B05.C5.o1.gs	Method	GENSCAN
Start	197	End	524
GI	none	Score	.86
Exons	197..524		

Seq. No.	31246	Seq. ID	OJ990419_05.9B05.C6
Gene No.	64709	Strand	+
Start	1	End	678
Name	OJ990419_05.9B05.C6.o1.np	Method	AAT/NAP
Start	1	End	678
GI	5734585	Score	201
Exons	1..149, 296..472, 649..678		
GI Descrip.	(AJ245861) putative internal rotenone-insensitive NADH dehydrogenase [Solanum tuberosum]		

Seq. No.	31246	Seq. ID	OJ990419_05.9B05.C6
Gene No.	64709	Strand	+
Start	1	End	678
Name	OJ990419_05.9B05.C6.o1.gs	Method	GENSCAN
Start	122	End	459
GI	none	Score	.76
Exons	122..149, 296..459		

Seq. No.	31246	Seq. ID	OJ990419_05.9B05.C6
Gene No.	64710	Strand	-
Start	294	End	474
Name	OJ990419_05.9B05.C6.o1.tc	Method	TBLASTX:Cress
Start	287	End	474
GI	none	Score	226
Exons	287..460, 295..474, 306..464		

Seq. No.	31246	Seq. ID	OJ990419_05.9B05.C6
Gene No.	64710	Strand	-
Start	294	End	474
Name	OJ990419_05.9B05.C6.o1.gp	Method	AAT/GAP
Start	294	End	460
GI	2352_1.R1084	Score	297
Exons	294..460		
GI Descrip.	'3420052 2.0e-81 (AC004680) putative ubiqinone reductase [Arabidopsis thaliana]'		

Seq. No.	31246	Seq. ID	OJ990419_05.9B05.C6
Gene No.	64710	Strand	-
Start	294	End	474
Name	OJ990419_05.9B05.C6.o1.ts	Method	TBLASTX:Soybean
Start	295	End	474
GI	none	Score	117
Exons	295..459, 295..474, 296..460, 318..464		

Seq. No.	31247	Seq. ID	OJ990419_05.9B05.C7
Gene No.	64711	Strand	+
Start	1	End	695
Name	OJ990419_05.9B05.C7.o1.np	Method	AAT/NAP
Start	1	End	695
GI	3420052	Score	104
Exons	1..128, 656..695		
GI Descrip.	(AC004680) putative NADH dehydrogenase (ubiquinone oxidoreductase) [Arabidopsis thaliana]		

Seq. No.	31247	Seq. ID	OJ990419_05.9B05.C7
Gene No.	64712	Strand	-
Start	82	End	378
Name	OJ990419_05.9B05.C7.o1.gs	Method	GENSCAN
Start	82	End	378
GI	none	Score	.44
Exons	82..378		

Seq. No.	31248	Seq. ID	OJ990419_05.9B05.C10
Gene No.	64713	Strand	+
Start	325	End	692
Name	OJ990419_05.9B05.C10.o1.gs	Method	GENSCAN
Start	325	End	692
GI	none	Score	.43
Exons	325..423, 494..692		

Seq. No.	31249	Seq. ID	OJ990419_05.9B05.C11
Gene No.	64714	Strand	+
Start	1	End	549
Name	OJ990419_05.9B05.C11.o1.np	Method	AAT/NAP

Start	1	End	549
GI	6630539	Score	172
Exons	1..549		
GI Descrip.	(AC011708) putative RING zinc finger protein [Arabidopsis thaliana]		

Seq. No.	31249	Seq. ID	OJ990419_05.9B05.C11
Gene No.	64715	Strand	-
Start	154	End	314
Name	OJ990419_05.9B05.C11.o1.gs	Method	GENSCAN
Start	154	End	314
GI	none	Score	.81
Exons	154..314		

Seq. No.	31250	Seq. ID	OJ990419_05.9B05.C12
Gene No.	64716	Strand	-
Start	1	End	724
Name	OJ990419_05.9B05.C12.o1.np	Method	AAT/NAP
Start	1	End	724
GI	6598934	Score	298
Exons	1..104, 211..443, 605..724		
GI Descrip.	(AC018721) unknown protein [Arabidopsis thaliana]		

Seq. No.	31250	Seq. ID	OJ990419_05.9B05.C12
Gene No.	64716	Strand	-
Start	1	End	724
Name	OJ990419_05.9B05.C12.o1.tm	Method	TBLASTX:Maize
Start	1	End	441
GI	none	Score	122
Exons	1..132, 3..131, 224..439, 241..441		

Seq. No.	31250	Seq. ID	OJ990419_05.9B05.C12
Gene No.	64716	Strand	-
Start	1	End	724
Name	OJ990419_05.9B05.C12.o1.tc	Method	TBLASTX:Cress
Start	3	End	430
GI	none	Score	163
Exons	3..104, 236..430, 238..429		

Seq. No.	31250	Seq. ID	OJ990419_05.9B05.C12
Gene No.	64716	Strand	-
Start	1	End	724
Name	OJ990419_05.9B05.C12.o1.gs	Method	GENSCAN
Start	157	End	438
GI	none	Score	.83
Exons	157..438		

Seq. No.	31250	Seq. ID	OJ990419_05.9B05.C12
Gene No.	64716	Strand	-
Start	1	End	724
Name	OJ990419_05.9B05.C12.o1.ts	Method	TBLASTX:Soybean
Start	241	End	439
GI	none	Score	150
Exons	241..438, 245..439		

Seq. No.	31250	Seq. ID	OJ990419_05.9B05.C12
Gene No.	64716	Strand	-

Start	1	End	724
Name	OJ990419_05.9B05.C12.o1.tw	Method	TBLASTX:Wheat
Start	242	End	444
GI	none	Score	191
Exons	242..439, 244..444		

Seq. No.	31251	Seq. ID	OJ990419_05.9B05.C14
Gene No.	64717	Strand	-
Start	784	End	880
Name	OJ990419_05.9B05.C14.o1.gs	Method	GENSCAN
Start	784	End	880
GI	none	Score	.99
Exons	784..880		

Seq. No.	31251	Seq. ID	OJ990419_05.9B05.C14
Gene No.	64718	Strand	-
Start	796	End	1058
Name	OJ990419_05.9B05.C14.o1.gp	Method	AAT/GAP
Start	796	End	1058
GI	2276034	Score	230
Exons	796..880, 987..1058		

Seq. No.	31252	Seq. ID	OJ990419_05.9B05.C16
Gene No.	64719	Strand	+
Start	1	End	428
Name	OJ990419_05.9B05.C16.o1.np	Method	AAT/NAP
Start	1	End	428
GI	6069653	Score	454
Exons	1..428		
GI Descrip.	(AP000616) hypothetical protein [Oryza sativa]		

Seq. No.	31252	Seq. ID	OJ990419_05.9B05.C16
Gene No.	64719	Strand	+
Start	1	End	428
Name	OJ990419_05.9B05.C16.o1.gs	Method	GENSCAN
Start	194	End	248
GI	none	Score	.52
Exons	194..248		

Seq. No.	31253	Seq. ID	OJ990419_05.9B05.C17
Gene No.	64720	Strand	+
Start	359	End	468
Name	OJ990419_05.9B05.C17.o1.gs	Method	GENSCAN
Start	359	End	468
GI	none	Score	.65
Exons	359..468		

Seq. No.	31254	Seq. ID	OJ990419_05.9B05.C18
Gene No.	64721	Strand	-
Start	152	End	285
Name	OJ990419_05.9B05.C18.o1.gs	Method	GENSCAN
Start	152	End	285
GI	none	Score	.48
Exons	152..285		

Seq. No.	31255	Seq. ID	OJ990419_05.9B05.C19
Gene No.	64722	Strand	-

Start	1	End	809
Name	OJ990419_05.9B05.C19.o1.np	Method	AAT/NAP
Start	1	End	767
GI	3068705	Score	167
Exons	1..94, 270..421, 517..767		
GI Descrip.	(AF049236) unknown [Arabidopsis thaliana]		

Seq. No.	31255	Seq. ID	OJ990419_05.9B05.C19
Gene No.	64722	Strand	-
Start	1	End	809
Name	OJ990419_05.9B05.C19.o1.ts	Method	TBLASTX:Soybean
Start	272	End	777
GI	none	Score	57
Exons	272..424, 320..376, 514..615, 515..622, 637..777, 638..766		

Seq. No.	31255	Seq. ID	OJ990419_05.9B05.C19
Gene No.	64722	Strand	-
Start	1	End	809
Name	OJ990419_05.9B05.C19.o1.tm	Method	TBLASTX:Maize
Start	273	End	809
GI	none	Score	92
Exons	273..422, 273..422, 274..423, 509..778, 513..779, 514..780, 514..777, 515..781, 585..809		

Seq. No.	31255	Seq. ID	OJ990419_05.9B05.C19
Gene No.	64722	Strand	-
Start	1	End	809
Name	OJ990419_05.9B05.C19.o1.gs	Method	GENSCAN
Start	275	End	753
GI	none	Score	.9
Exons	275..421, 517..753		

Seq. No.	31256	Seq. ID	OJ990419_05.9B05.C20
Gene No.	64723	Strand	-
Start	39	End	213
Name	OJ990419_05.9B05.C20.o1.gs	Method	GENSCAN
Start	39	End	213
GI	none	Score	.62
Exons	39..213		

Seq. No.	31257	Seq. ID	OJ990419_05.9B05.C21
Gene No.	64724	Strand	+
Start	219	End	665
Name	OJ990419_05.9B05.C21.o1.gs	Method	GENSCAN
Start	219	End	665
GI	none	Score	.56
Exons	219..246, 481..665		

Seq. No.	31258	Seq. ID	OJ990419_05.9B05.C23
Gene No.	64725	Strand	+
Start	112	End	593
Name	OJ990419_05.9B05.C23.o1.gs	Method	GENSCAN
Start	112	End	593
GI	none	Score	.66
Exons	112..248, 360..593		

Seq. No.	31259	Seq. ID	OJ990419_05.9B05.C24

Gene No.	64726	Strand	+
Start	3237	End	7252
Name	OJ990419_05.9B05.C24.o2.gs	Method	GENSCAN
Start	3237	End	7129
GI	none	Score	.91
Exons	3237..3680, 4388..4604, 4950..5110, 5189..5254, 5401..5564, 5841..5955, 6977..7129		

Seq. No.	31259	Seq. ID	OJ990419_05.9B05.C24
Gene No.	64726	Strand	+
Start	3237	End	7252
Name	OJ990419_05.9B05.C24.o2.np	Method	AAT/NAP
Start	3246	End	7126
GI	5734585	Score	1605
Exons	3246..3680, 4388..4604, 4950..5110, 5189..5254, 5401..5559, 5839..5955, 6712..6891, 6977..7126		
GI Descrip.	(AJ245861) putative internal rotenone-insensitive NADH dehydrogenase [Solanum tuberosum]		

Seq. No.	31259	Seq. ID	OJ990419_05.9B05.C24
Gene No.	64726	Strand	+
Start	3237	End	7252
Name	OJ990419_05.9B05.C24.o3.gp	Method	AAT/GAP
Start	5380	End	7252
GI	2352_1.R1084	Score	1312
Exons	5380..5564, 5841..5955, 6712..6891, 6977..7252		
GI Descrip.	'3420052 2.0e-81 (AC004680) putative ubiqinone reductase [Arabidopsis thaliana]'		

Seq. No.	31259	Seq. ID	OJ990419_05.9B05.C24
Gene No.	64727	Strand	-
Start	1	End	2696
Name	OJ990419_05.9B05.C24.o1.np	Method	AAT/NAP
Start	1	End	2696
GI	4115931	Score	1829
Exons	1..214, 1246..2696		
GI Descrip.	(AF118223) contains similarity to Guillardia theta ABC transporter (GB:AF041468) [Arabidopsis thaliana]		

Seq. No.	31259	Seq. ID	OJ990419_05.9B05.C24
Gene No.	64727	Strand	-
Start	1	End	2696
Name	OJ990419_05.9B05.C24.o1.gp	Method	AAT/GAP
Start	115	End	1610
GI	LIB3432-003-P1-K1-B5	Score	885
Exons	115..214, 1246..1610		
GI Descrip.	'4115931/gb\|AAD03441.1\| 1.0e-67 (AF118223) contains similarity to Guillardia theta ABC transporter (GB:AF041468) [Arabidopsis thaliana]'		

Seq. No.	31259	Seq. ID	OJ990419_05.9B05.C24
Gene No.	64727	Strand	-
Start	1	End	2696
Name	OJ990419_05.9B05.C24.o1.gs	Method	GENSCAN
Start	1210	End	2661
GI	none	Score	.67
Exons	1210..2661		

Seq. No.	31259	Seq. ID	OJ990419_05.9B05.C24
Gene No.	64727	Strand	-
Start	1	End	2696
Name	OJ990419_05.9B05.C24.o2.gp	Method	AAT/GAP
Start	1785	End	2187
GI	uC-osflcyp044f01b1	Score	702
Exons	1785..2187		
GI Descrip.	'4115931/gb\|AAD03441.1\| 6.0e-45 (AF118223) contains similarity to Guillardia theta ABC transporter (GB:AF041468) [Arabidopsis thaliana]'		

Seq. No.	31259	Seq. ID	OJ990419_05.9B05.C24
Gene No.	64728	Strand	-
Start	9769	End	11939
Name	OJ990419_05.9B05.C24.o1.tc	Method	TBLASTX:Cress
Start	12	End	1715
GI	none	Score	174
Exons	12..194, 14..217, 1242..1577, 1243..1506, 1243..1692, 1256..1684, 1623..1715		

Seq. No.	31259	Seq. ID	OJ990419_05.9B05.C24
Gene No.	64728	Strand	-
Start	9769	End	11939
Name	OJ990419_05.9B05.C24.o1.ts	Method	TBLASTX:Soybean
Start	12	End	2140
GI	none	Score	152
Exons	12..191, 14..217, 14..217, 1235..1684, 1242..1916, 1243..2139, 1244..1684, 1603..2031, 1748..2140		

Seq. No.	31259	Seq. ID	OJ990419_05.9B05.C24
Gene No.	64728	Strand	-
Start	9769	End	11939
Name	OJ990419_05.9B05.C24.o4.tm	Method	TBLASTX:Maize
Start	12	End	1305
GI	none	Score	261
Exons	12..215, 14..217, 14..217, 1243..1305, 1244..1303		

Seq. No.	31259	Seq. ID	OJ990419_05.9B05.C24
Gene No.	64728	Strand	-
Start	9769	End	11939
Name	OJ990419_05.9B05.C24.o1.tm	Method	TBLASTX:Maize
Start	1318	End	2539
GI	none	Score	232
Exons	1318..1479, 1319..1480, 1476..1952, 1480..2259, 1481..2260, 2194..2472, 2243..2497, 2450..2539, 2455..2529		

Seq. No.	31259	Seq. ID	OJ990419_05.9B05.C24
Gene No.	64728	Strand	-
Start	9769	End	11939
Name	OJ990419_05.9B05.C24.o3.ts	Method	TBLASTX:Soybean
Start	2140	End	2431
GI	none	Score	143
Exons	2140..2424, 2210..2431		

Seq. No.	31259	Seq. ID	OJ990419_05.9B05.C24
Gene No.	64728	Strand	-

Start	9769	End	11939
Name	OJ990419_05.9B05.C24.o5.tc	Method	TBLASTX:Cress
Start	2224	End	2439
GI	none	Score	116
Exons	2224..2439, 2225..2431		

Seq. No.	31259	Seq. ID	OJ990419_05.9B05.C24
Gene No.	64728	Strand	-
Start	9769	End	11939
Name	OJ990419_05.9B05.C24.o3.tm	Method	TBLASTX:Maize
Start	3332	End	3607
GI	none	Score	365
Exons	3332..3607, 3333..3605		

Seq. No.	31259	Seq. ID	OJ990419_05.9B05.C24
Gene No.	64728	Strand	-
Start	9769	End	11939
Name	OJ990419_05.9B05.C24.o6.ts	Method	TBLASTX:Soybean
Start	3386	End	3578
GI	none	Score	262
Exons	3386..3571, 3387..3578, 3489..3578		

Seq. No.	31259	Seq. ID	OJ990419_05.9B05.C24
Gene No.	64728	Strand	-
Start	9769	End	11939
Name	OJ990419_05.9B05.C24.o2.tw	Method	TBLASTX:Wheat
Start	3506	End	3685
GI	none	Score	278
Exons	3506..3685, 3507..3683		

Seq. No.	31259	Seq. ID	OJ990419_05.9B05.C24
Gene No.	64728	Strand	-
Start	9769	End	11939
Name	OJ990419_05.9B05.C24.o5.ts	Method	TBLASTX:Soybean
Start	4471	End	5535
GI	none	Score	193
Exons	4471..4608, 4472..4624, 4478..4624, 4903..5058, 4949..5122, 4965..5111, 5077..5118, 5165..5254, 5181..5246, 5188..5265, 5392..5535, 5396..5515, 5400..5519		

Seq. No.	31259	Seq. ID	OJ990419_05.9B05.C24
Gene No.	64728	Strand	-
Start	9769	End	11939
Name	OJ990419_05.9B05.C24.o3.tc	Method	TBLASTX:Cress
Start	4940	End	5579
GI	none	Score	261
Exons	4940..5122, 4948..5118, 5174..5254, 5188..5265, 5392..5565, 5400..5579		

Seq. No.	31259	Seq. ID	OJ990419_05.9B05.C24
Gene No.	64728	Strand	-
Start	9769	End	11939
Name	OJ990419_05.9B05.C24.o7.ts	Method	TBLASTX:Soybean
Start	5829	End	6786
GI	none	Score	79
Exons	5829..5951, 5829..5960, 5830..5958, 6702..6785, 6703..6786		

Seq. No.	31259	Seq. ID	OJ990419_05.9B05.C24
Gene No.	64728	Strand	-
Start	9769	End	11939
Name	OJ990419_05.9B05.C24.o2.tc	Method	TBLASTX:Cress
Start	6656	End	7129
GI	none	Score	101
Exons	6656..6793, 6693..6809, 6694..6810, 6809..6898, 6810..6902, 6811..6900, 6955..7116, 6955..7128, 6965..7129, 6974..7129		

Seq. No.	31259	Seq. ID	OJ990419_05.9B05.C24
Gene No.	64728	Strand	-
Start	9769	End	11939
Name	OJ990419_05.9B05.C24.o5.tm	Method	TBLASTX:Maize
Start	6703	End	7027
GI	none	Score	153
Exons	6703..6810, 6711..6809, 6810..6851, 6811..6852, 6856..6891, 6857..6892, 6974..7027, 6976..7026		

Seq. No.	31259	Seq. ID	OJ990419_05.9B05.C24
Gene No.	64728	Strand	-
Start	9769	End	11939
Name	OJ990419_05.9B05.C24.o2.ts	Method	TBLASTX:Soybean
Start	6789	End	7129
GI	none	Score	135
Exons	6789..6896, 6796..6897, 6974..7129, 6976..7125		

Seq. No.	31259	Seq. ID	OJ990419_05.9B05.C24
Gene No.	64728	Strand	-
Start	9769	End	11939
Name	OJ990419_05.9B05.C24.o6.tm	Method	TBLASTX:Maize
Start	9758	End	10073
GI	none	Score	72
Exons	9758..9826, 9759..9926, 9762..10073, 9877..10071		

Seq. No.	31259	Seq. ID	OJ990419_05.9B05.C24
Gene No.	64728	Strand	-
Start	9769	End	11939
Name	OJ990419_05.9B05.C24.o3.gs	Method	GENSCAN
Start	9769	End	11939
GI	none	Score	.59
Exons	9769..11303, 11522..11671, 11893..11939		

Seq. No.	31259	Seq. ID	OJ990419_05.9B05.C24
Gene No.	64728	Strand	-
Start	9769	End	11939
Name	OJ990419_05.9B05.C24.o2.tm	Method	TBLASTX:Maize
Start	10303	End	10788
GI	none	Score	237
Exons	10303..10572, 10311..10574, 10312..10584, 10323..10574, 10328..10585, 10568..10696, 10576..10695, 10691..10774, 10693..10788, 10693..10779, 10695..10784		

Seq. No.	31259	Seq. ID	OJ990419_05.9B05.C24
Gene No.	64728	Strand	-
Start	9769	End	11939
Name	OJ990419_05.9B05.C24.o3.np	Method	AAT/NAP
Start	10478	End	10882

GI	3128183	Score	214
Exons	10478..10882		
GI Descrip.	(AC004521) unknown protein [Arabidopsis thaliana]		

Seq. No.	31259	Seq. ID	OJ990419_05.9B05.C24
Gene No.	64728	Strand	-
Start	9769	End	11939
Name	OJ990419_05.9B05.C24.o4.tc	Method	TBLASTX:Cress
Start	10567	End	10758
GI	none	Score	153
Exons	10567..10758, 10583..10756		

Seq. No.	31259	Seq. ID	OJ990419_05.9B05.C24
Gene No.	64728	Strand	-
Start	9769	End	11939
Name	OJ990419_05.9B05.C24.o4.ts	Method	TBLASTX:Soybean
Start	10567	End	10806
GI	none	Score	149
Exons	10567..10767, 10568..10774, 10579..10806		

Seq. No.	31259	Seq. ID	OJ990419_05.9B05.C24
Gene No.	64728	Strand	-
Start	9769	End	11939
Name	OJ990419_05.9B05.C24.o1.tw	Method	TBLASTX:Wheat
Start	10571	End	10818
GI	none	Score	309
Exons	10571..10777, 10573..10818, 10573..10779		

Seq. No.	31259	Seq. ID	OJ990419_05.9B05.C24
Gene No.	64728	Strand	-
Start	9769	End	11939
Name	OJ990419_05.9B05.C24.o8.tm	Method	TBLASTX:Maize
Start	10789	End	10992
GI	none	Score	98
Exons	10789..10992, 10829..10969		

Seq. No.	31259	Seq. ID	OJ990419_05.9B05.C24
Gene No.	64728	Strand	-
Start	9769	End	11939
Name	OJ990419_05.9B05.C24.o7.tm	Method	TBLASTX:Maize
Start	11044	End	11433
GI	none	Score	78
Exons	11044..11094, 11083..11115, 11164..11217, 11169..11255, 11180..11236, 11219..11251, 11315..11341, 11341..11430, 11398..11433		

Seq. No.	31260	Seq. ID	OJ990419_05.9B05.C25
Gene No.	64729	Strand	-
Start	267	End	1611
Name	OJ990419_05.9B05.C25.o1.gp	Method	AAT/GAP
Start	212	End	474
GI	2276034	Score	230
Exons	212..296, 403..474		

Seq. No.	31260	Seq. ID	OJ990419_05.9B05.C25
Gene No.	64729	Strand	-
Start	267	End	1611

Name	OJ990419_05.9B05.C25.o1.gs	Method	GENSCAN
Start	267	End	1611
GI	none	Score	.64
Exons	267..296, 818..956, 1490..1611		

Seq. No.	31260	Seq. ID	OJ990419_05.9B05.C25
Gene No.	64730	Strand	-
Start	2948	End	4646
Name	OJ990419_05.9B05.C25.o2.gs	Method	GENSCAN
Start	2948	End	4646
GI	none	Score	.43
Exons	2948..3067, 3573..3639, 4573..4646		

Seq. No.	31261	Seq. ID	OJ990419_05.9B05.C26
Gene No.	64731	Strand	-
Start	250	End	5822
Name	OJ990419_05.9B05.C26.o1.gs	Method	GENSCAN
Start	250	End	5822
GI	none	Score	.57
Exons	250..448, 1508..1809, 2390..3362, 3618..3782, 3872..3953, 4060..4248, 5459..5511, 5691..5822		

Seq. No.	31261	Seq. ID	OJ990419_05.9B05.C26
Gene No.	64731	Strand	-
Start	250	End	5822
Name	OJ990419_05.9B05.C26.o1.np	Method	AAT/NAP
Start	1483	End	3422
GI	6016682	Score	134
Exons	1483..1809, 2390..2491, 2567..3069, 3291..3422		
GI Descrip.	(AC009991) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	31262	Seq. ID	OJ990419_05.9B05.C27
Gene No.	64732	Strand	+
Start	80	End	5185
Name	OJ990419_05.9B05.C27.o1.gs	Method	GENSCAN
Start	80	End	5185
GI	none	Score	.46
Exons	80..115, 542..681, 937..1307, 1675..1770, 1772..1855, 3703..3891, 4998..5185		

Seq. No.	31262	Seq. ID	OJ990419_05.9B05.C27
Gene No.	64733	Strand	+
Start	7918	End	14766
Name	OJ990419_05.9B05.C27.o1.gp	Method	AAT/GAP
Start	7893	End	8174
GI	568939	Score	545
Exons	7893..8174		

Seq. No.	31262	Seq. ID	OJ990419_05.9B05.C27
Gene No.	64733	Strand	+
Start	7918	End	14766
Name	OJ990419_05.9B05.C27.o2.gs	Method	GENSCAN
Start	7918	End	14766
GI	none	Score	.66
Exons	7918..8594, 8743..8914, 9236..9508, 9561..9700, 12956..13313, 13988..14074, 14632..14766		

Seq. No.	31262	Seq. ID	OJ990419_05.9B05.C27
Gene No.	64733	Strand	+
Start	7918	End	14766
Name	OJ990419_05.9B05.C27.o1.np	Method	AAT/NAP
Start	8002	End	13307
GI	6598934	Score	1041
Exons	8002..8154, 8419..8594, 8743..8906, 9228..9463, 9570..9700, 12956..13307		
GI Descrip.	(AC018721) unknown protein [Arabidopsis thaliana]		

Seq. No.	31262	Seq. ID	OJ990419_05.9B05.C27
Gene No.	64734	Strand	+
Start	35445	End	45849
Name	OJ990419_05.9B05.C27.o6.gs	Method	GENSCAN
Start	35445	End	45849
GI	none	Score	.46
Exons	35445..35491, 37433..37534, 37981..38662, 38867..39778, 39999..40158, 40330..41794, 41867..42057, 42249..42689, 43292..43320, 43746..43802, 44112..44172, 44385..45494, 45707..45849		

Seq. No.	31262	Seq. ID	OJ990419_05.9B05.C27
Gene No.	64734	Strand	+
Start	35445	End	45849
Name	OJ990419_05.9B05.C27.o5.np	Method	AAT/NAP
Start	40056	End	42739
GI	4416302	Score	2430
Exons	40056..42739		
GI Descrip.	(AF105716) copia-type pol polyprotein [Zea mays]		

Seq. No.	31262	Seq. ID	OJ990419_05.9B05.C27
Gene No.	64735	Strand	-
Start	17238	End	17816
Name	OJ990419_05.9B05.C27.o2.np	Method	AAT/NAP
Start	17230	End	17816
GI	6630539	Score	185
Exons	17230..17816		
GI Descrip.	(AC011708) putative RING zinc finger protein [Arabidopsis thaliana]		

Seq. No.	31262	Seq. ID	OJ990419_05.9B05.C27
Gene No.	64735	Strand	-
Start	17238	End	17816
Name	OJ990419_05.9B05.C27.o3.gs	Method	GENSCAN
Start	17238	End	17807
GI	none	Score	.98
Exons	17238..17807		

Seq. No.	31262	Seq. ID	OJ990419_05.9B05.C27
Gene No.	64736	Strand	-
Start	33454	End	34718
Name	OJ990419_05.9B05.C27.o5.gs	Method	GENSCAN
Start	33454	End	34718
GI	none	Score	.71
Exons	33454..33568, 33744..34492, 34599..34718		

Seq. No.	31262	Seq. ID	OJ990419_05.9B05.C27

Gene No.	64737	Strand	-
Start	35363	End	39536
Name	OJ990419_05.9B05.C27.o3.np	Method	AAT/NAP
Start	35363	End	39536
GI	6721516	Score	610
Exons	35363..35383, 36784..37112, 37523..37764, 39508..39536		
GI Descrip.	(AP001072) hypothetical protein [Oryza sativa]		

Seq. No.	31262	Seq. ID	OJ990419_05.9B05.C27
Gene No.	64738	Strand	-
Start	43465	End	47604
Name	OJ990419_05.9B05.C27.o7.tm	Method	TBLASTX:Maize
Start	8391	End	8718
GI	none	Score	280
Exons	8391..8600, 8404..8598, 8478..8600, 8623..8718		

Seq. No.	31262	Seq. ID	OJ990419_05.9B05.C27
Gene No.	64738	Strand	-
Start	43465	End	47604
Name	OJ990419_05.9B05.C27.o6.ts	Method	TBLASTX:Soybean
Start	8418	End	8576
GI	none	Score	218
Exons	8418..8576, 8419..8574		

Seq. No.	31262	Seq. ID	OJ990419_05.9B05.C27
Gene No.	64738	Strand	-
Start	43465	End	47604
Name	OJ990419_05.9B05.C27.o2.tw	Method	TBLASTX:Wheat
Start	8551	End	9432
GI	none	Score	79
Exons	8551..8598, 8553..8594, 8734..8877, 8741..8872, 9230..9430, 9235..9432		

Seq. No.	31262	Seq. ID	OJ990419_05.9B05.C27
Gene No.	64738	Strand	-
Start	43465	End	47604
Name	OJ990419_05.9B05.C27.o3.tm	Method	TBLASTX:Maize
Start	8771	End	13304
GI	none	Score	148
Exons	8771..8911, 8773..8904, 9233..9433, 9235..9450, 9542..9757, 9543..9698, 12950..13009, 12954..13082, 13098..13304, 13100..13294		

Seq. No.	31262	Seq. ID	OJ990419_05.9B05.C27
Gene No.	64738	Strand	-
Start	43465	End	47604
Name	OJ990419_05.9B05.C27.o1.tc	Method	TBLASTX:Cress
Start	9244	End	9701
GI	none	Score	253
Exons	9244..9438, 9245..9436, 9570..9701		

Seq. No.	31262	Seq. ID	OJ990419_05.9B05.C27
Gene No.	64738	Strand	-
Start	43465	End	47604
Name	OJ990419_05.9B05.C27.o2.ts	Method	TBLASTX:Soybean
Start	9386	End	13304
GI	none	Score	89

Exons	9386..9448, 9569..9700, 9570..9701, 12959..13078, 12960..13088, 13086..13304, 13100..13300		
Seq. No.	31262	Seq. ID	OJ990419_05.9B05.C27
Gene No.	64738	Strand	-
Start	43465	End	47604
Name	OJ990419_05.9B05.C27.o2.tc	Method	TBLASTX:Cress
Start	13092	End	13283
GI	none	Score	233
Exons	13092..13283, 13100..13273, 13113..13283		
Seq. No.	31262	Seq. ID	OJ990419_05.9B05.C27
Gene No.	64738	Strand	-
Start	43465	End	47604
Name	OJ990419_05.9B05.C27.o7.ts	Method	TBLASTX:Soybean
Start	27714	End	27866
GI	none	Score	199
Exons	27714..27866, 27726..27764, 27791..27865		
Seq. No.	31262	Seq. ID	OJ990419_05.9B05.C27
Gene No.	64738	Strand	-
Start	43465	End	47604
Name	OJ990419_05.9B05.C27.o5.ts	Method	TBLASTX:Soybean
Start	37988	End	40169
GI	none	Score	75
Exons	37988..38110, 38174..38506, 39914..39976, 40026..40091, 40116..40169		
Seq. No.	31262	Seq. ID	OJ990419_05.9B05.C27
Gene No.	64738	Strand	-
Start	43465	End	47604
Name	OJ990419_05.9B05.C27.o6.tm	Method	TBLASTX:Maize
Start	39884	End	40244
GI	none	Score	105
Exons	39884..39976, 39886..39978, 40005..40244, 40013..40081, 40109..40237		
Seq. No.	31262	Seq. ID	OJ990419_05.9B05.C27
Gene No.	64738	Strand	-
Start	43465	End	47604
Name	OJ990419_05.9B05.C27.o3.tw	Method	TBLASTX:Wheat
Start	40020	End	40337
GI	none	Score	215
Exons	40020..40337, 40034..40255		
Seq. No.	31262	Seq. ID	OJ990419_05.9B05.C27
Gene No.	64738	Strand	-
Start	43465	End	47604
Name	OJ990419_05.9B05.C27.o4.tm	Method	TBLASTX:Maize
Start	40247	End	40639
GI	none	Score	92
Exons	40247..40378, 40248..40376, 40366..40560, 40367..40558, 40367..40639, 40371..40637		
Seq. No.	31262	Seq. ID	OJ990419_05.9B05.C27
Gene No.	64738	Strand	-
Start	43465	End	47604

Name	OJ990419_05.9B05.C27.o1.tw	Method	TBLASTX:Wheat
Start	40407	End	40982
GI	none	Score	251
Exons	40407..40664, 40410..40655, 40695..40973, 40695..40982		

Seq. No.	31262	Seq. ID	OJ990419_05.9B05.C27
Gene No.	64738	Strand	-
Start	43465	End	47604
Name	OJ990419_05.9B05.C27.o2.tm	Method	TBLASTX:Maize
Start	40644	End	41504
GI	none	Score	109
Exons	40644..40715, 40670..40717, 40715..41332, 40716..41333, 41316..41504, 41394..41432		

Seq. No.	31262	Seq. ID	OJ990419_05.9B05.C27
Gene No.	64738	Strand	-
Start	43465	End	47604
Name	OJ990419_05.9B05.C27.o4.ts	Method	TBLASTX:Soybean
Start	40824	End	41285
GI	none	Score	331
Exons	40824..41285, 40895..41014, 41081..41233		

Seq. No.	31262	Seq. ID	OJ990419_05.9B05.C27
Gene No.	64738	Strand	-
Start	43465	End	47604
Name	OJ990419_05.9B05.C27.o4.tc	Method	TBLASTX:Cress
Start	40869	End	41282
GI	none	Score	196
Exons	40869..41282		

Seq. No.	31262	Seq. ID	OJ990419_05.9B05.C27
Gene No.	64738	Strand	-
Start	43465	End	47604
Name	OJ990419_05.9B05.C27.o5.tw	Method	TBLASTX:Wheat
Start	41067	End	41321
GI	none	Score	98
Exons	41067..41135, 41151..41321, 41160..41297, 41161..41319		

Seq. No.	31262	Seq. ID	OJ990419_05.9B05.C27
Gene No.	64738	Strand	-
Start	43465	End	47604
Name	OJ990419_05.9B05.C27.o5.tm	Method	TBLASTX:Maize
Start	41505	End	41806
GI	none	Score	291
Exons	41505..41753, 41525..41806, 41742..41789		

Seq. No.	31262	Seq. ID	OJ990419_05.9B05.C27
Gene No.	64738	Strand	-
Start	43465	End	47604
Name	OJ990419_05.9B05.C27.o3.ts	Method	TBLASTX:Soybean
Start	41520	End	41848
GI	5509260	Score	303
Exons	41520..41789, 41615..41788, 41776..41847, 41777..41848		
GI Descrip.	-		

Seq. No.	31262	Seq. ID	OJ990419_05.9B05.C27
Gene No.	64738	Strand	-

Start	43465	End	47604
Name	OJ990419_05.9B05.C27.o8.tm	Method	TBLASTX:Maize
Start	41888	End	42080
GI	none	Score	256
Exons	41888..42079, 41889..42080		

Seq. No.	31262	Seq. ID	OJ990419_05.9B05.C27
Gene No.	64738	Strand	-
Start	43465	End	47604
Name	OJ990419_05.9B05.C27.o1.tm	Method	TBLASTX:Maize
Start	42081	End	42819
GI	none	Score	202
Exons	42081..42209, 42083..42208, 42088..42210, 42229..42747, 42230..42733, 42636..42749, 42636..42758, 42790..42819		

Seq. No.	31262	Seq. ID	OJ990419_05.9B05.C27
Gene No.	64738	Strand	-
Start	43465	End	47604
Name	OJ990419_05.9B05.C27.o1.ts	Method	TBLASTX:Soybean
Start	42090	End	42721
GI	none	Score	86
Exons	42090..42209, 42229..42456, 42230..42463, 42233..42463, 42497..42721, 42505..42672		

Seq. No.	31262	Seq. ID	OJ990419_05.9B05.C27
Gene No.	64738	Strand	-
Start	43465	End	47604
Name	OJ990419_05.9B05.C27.o3.tc	Method	TBLASTX:Cress
Start	42260	End	42718
GI	none	Score	69
Exons	42260..42349, 42353..42487, 42473..42718, 42499..42666		

Seq. No.	31262	Seq. ID	OJ990419_05.9B05.C27
Gene No.	64738	Strand	-
Start	43465	End	47604
Name	OJ990419_05.9B05.C27.o4.tw	Method	TBLASTX:Wheat
Start	42269	End	42685
GI	none	Score	121
Exons	42269..42478, 42373..42474, 42497..42685, 42553..42672		

Seq. No.	31262	Seq. ID	OJ990419_05.9B05.C27
Gene No.	64738	Strand	-
Start	43465	End	47604
Name	OJ990419_05.9B05.C27.o6.np	Method	AAT/NAP
Start	43465	End	47604
GI	6721516	Score	411
Exons	43465..43634, 46740..47068, 47479..47604		
GI Descrip.	(AP001072) hypothetical protein [Oryza sativa]		

Seq. No.	31262	Seq. ID	OJ990419_05.9B05.C27
Gene No.	64738	Strand	-
Start	43465	End	47604
Name	OJ990419_05.9B05.C27.o7.gs	Method	GENSCAN
Start	46672	End	46986
GI	none	Score	.77
Exons	46672..46986		

Seq. No.	31263	Seq. ID	OJ990419_05.9B05.C29
Gene No.	64739	Strand	+
Start	1884	End	3438
Name	OJ990419_05.9B05.C29.o1.np	Method	AAT/NAP
Start	1884	End	3403
GI	140291	Score	152
Exons	1884..2031, 3364..3403		
GI Descrip.	HYPOTHETICAL 21.5 KD PROTEIN (ORF 185) gi\|82541\|pir\|\|S05116 hypothetical protein 185 - rice chloroplast gi\|11997\|emb\|CAA33958\| (X15901) ORF185 [Oryza sativa] gi\|226618\|prf\|\|1603356AQ ORF 185 [Oryza sativa]		

Seq. No.	31263	Seq. ID	OJ990419_05.9B05.C29
Gene No.	64739	Strand	+
Start	1884	End	3438
Name	OJ990419_05.9B05.C29.o2.np	Method	AAT/NAP
Start	1884	End	3438
GI	140291	Score	151
Exons	1884..2028, 3378..3438		
GI Descrip.	HYPOTHETICAL 21.5 KD PROTEIN (ORF 185) gi\|82541\|pir\|\|S05116 hypothetical protein 185 - rice chloroplast gi\|11997\|emb\|CAA33958\| (X15901) ORF185 [Oryza sativa] gi\|226618\|prf\|\|1603356AQ ORF 185 [Oryza sativa]		

Seq. No.	31263	Seq. ID	OJ990419_05.9B05.C29
Gene No.	64740	Strand	+
Start	3616	End	6539
Name	OJ990419_05.9B05.C29.o1.gs	Method	GENSCAN
Start	3616	End	6539
GI	none	Score	.78
Exons	3616..3850, 4656..4918, 5014..5160, 6342..6539		

Seq. No.	31263	Seq. ID	OJ990419_05.9B05.C29
Gene No.	64740	Strand	+
Start	3616	End	6539
Name	OJ990419_05.9B05.C29.o3.np	Method	AAT/NAP
Start	3637	End	6536
GI	3068705	Score	484
Exons	3637..3793, 4656..4918, 5014..5160, 6342..6536		
GI Descrip.	(AF049236) unknown [Arabidopsis thaliana]		

Seq. No.	31263	Seq. ID	OJ990419_05.9B05.C29
Gene No.	64741	Strand	-
Start	6349	End	6704
Name	OJ990419_05.9B05.C29.o2.gp	Method	AAT/GAP
Start	6349	End	6704
GI	LIB3431-055-P1-N1-B2	Score	672
Exons	6349..6704		
GI Descrip.	'3068705 6.0e-16 (AF049236) unknown [Arabidopsis thaliana]'		

Seq. No.	31263	Seq. ID	OJ990419_05.9B05.C29
Gene No.	64742	Strand	-
Start	7182	End	9452
Name	OJ990419_05.9B05.C29.o1.tm	Method	TBLASTX:Maize
Start	3288	End	6548
GI	none	Score	44
Exons	3288..3320, 3297..3323, 3339..3431, 3340..3429, 3343..3441,		

3424..3492, 3438..3491, 3452..3493, 3652..3729, 3666..3731,
3667..3729, 3682..3795, 3711..3794, 4626..4850, 4654..4920,
4654..4926, 4655..4921, 5011..5118, 5012..5161, 5013..5162,
5013..5162, 6339..6548, 6341..6538

Seq. No.	31263	Seq. ID	OJ990419_05.9B05.C29
Gene No.	64742	Strand	-
Start	7182	End	9452
Name	OJ990419_05.9B05.C29.o2.ts	Method	TBLASTX:Soybean
Start	3670	End	6541
GI	none	Score	81
Exons	3670..3795, 4654..4797, 4655..4798, 4813..4920, 4820..4921, 5011..5163, 6339..6539, 6341..6541, 6341..6538		

Seq. No.	31263	Seq. ID	OJ990419_05.9B05.C29
Gene No.	64742	Strand	-
Start	7182	End	9452
Name	OJ990419_05.9B05.C29.o2.tw	Method	TBLASTX:Wheat
Start	5100	End	6569
GI	none	Score	76
Exons	5100..5162, 5116..5166, 6339..6404, 6339..6401, 6341..6406, 6404..6502, 6406..6501, 6408..6503, 6503..6538, 6504..6569, 6508..6564		

Seq. No.	31263	Seq. ID	OJ990419_05.9B05.C29
Gene No.	64742	Strand	-
Start	7182	End	9452
Name	OJ990419_05.9B05.C29.o2.gs	Method	GENSCAN
Start	7182	End	9409
GI	none	Score	1
Exons	7182..7738, 7920..8205, 8759..9409		

Seq. No.	31263	Seq. ID	OJ990419_05.9B05.C29
Gene No.	64742	Strand	-
Start	7182	End	9452
Name	OJ990419_05.9B05.C29.o4.np	Method	AAT/NAP
Start	7185	End	9394
GI	6598436	Score	1652
Exons	7185..7738, 7920..8205, 8759..9040, 9074..9394		
GI Descrip.	(AC004683) putative ammonium transporter [Arabidopsis thaliana]		

Seq. No.	31263	Seq. ID	OJ990419_05.9B05.C29
Gene No.	64742	Strand	-
Start	7182	End	9452
Name	OJ990419_05.9B05.C29.o3.tm	Method	TBLASTX:Maize
Start	7399	End	7743
GI	none	Score	72
Exons	7399..7485, 7452..7742, 7549..7743, 7633..7743		

Seq. No.	31263	Seq. ID	OJ990419_05.9B05.C29
Gene No.	64742	Strand	-
Start	7182	End	9452
Name	OJ990419_05.9B05.C29.o3.ts	Method	TBLASTX:Soybean
Start	7503	End	7743
GI	none	Score	200
Exons	7503..7742, 7546..7743		

Seq. No.	31263	Seq. ID	OJ990419_05.9B05.C29
Gene No.	64742	Strand	-
Start	7182	End	9452
Name	OJ990419_05.9B05.C29.o1.ts	Method	TBLASTX:Soybean
Start	7894	End	9352
GI	none	Score	187
Exons	7894..7962, 7954..8091, 7955..8206, 8164..8205, 8756..9352, 8757..9350		

Seq. No.	31263	Seq. ID	OJ990419_05.9B05.C29
Gene No.	64742	Strand	-
Start	7182	End	9452
Name	OJ990419_05.9B05.C29.o1.tc	Method	TBLASTX:Cress
Start	7903	End	8179
GI	none	Score	170
Exons	7903..8091, 7904..8179		

Seq. No.	31263	Seq. ID	OJ990419_05.9B05.C29
Gene No.	64742	Strand	-
Start	7182	End	9452
Name	OJ990419_05.9B05.C29.o4.tm	Method	TBLASTX:Maize
Start	7918	End	8190
GI	none	Score	193
Exons	7918..8091, 7919..8185, 8014..8190, 8147..8188		

Seq. No.	31263	Seq. ID	OJ990419_05.9B05.C29
Gene No.	64742	Strand	-
Start	7182	End	9452
Name	OJ990419_05.9B05.C29.o1.tw	Method	TBLASTX:Wheat
Start	7987	End	8813
GI	none	Score	193
Exons	7987..8091, 7988..8206, 8144..8206, 8756..8812, 8757..8813		

Seq. No.	31263	Seq. ID	OJ990419_05.9B05.C29
Gene No.	64742	Strand	-
Start	7182	End	9452
Name	OJ990419_05.9B05.C29.o2.tm	Method	TBLASTX:Maize
Start	8925	End	9356
GI	none	Score	297
Exons	8925..9356, 8927..9355		

Seq. No.	31263	Seq. ID	OJ990419_05.9B05.C29
Gene No.	64742	Strand	-
Start	7182	End	9452
Name	OJ990419_05.9B05.C29.o3.gp	Method	AAT/GAP
Start	9026	End	9452
GI	uC-osflm202108a05b1	Score	814
Exons	9026..9452		
GI Descrip.	'3395443 1.0e-34 (AC004683) putative ammonium transporter, 3'' partial [Arabidopsis thaliana]'		

Seq. No.	31264	Seq. ID	OJ990419_05.9B05.C30
Gene No.	64743	Strand	+
Start	81	End	269
Name	OJ990419_05.9B05.C30.o1.gs	Method	GENSCAN
Start	81	End	269
GI	none	Score	.74

Exons	81..156, 158..269		
Seq. No.	31264	Seq. ID	OJ990419_05.9B05.C30
Gene No.	64744	Strand	+
Start	3543	End	4373
Name	OJ990419_05.9B05.C30.o3.gs	Method	GENSCAN
Start	3543	End	4373
GI	none	Score	.89
Exons	3543..4373		
Seq. No.	31264	Seq. ID	OJ990419_05.9B05.C30
Gene No.	64745	Strand	-
Start	1044	End	3415
Name	OJ990419_05.9B05.C30.o2.gs	Method	GENSCAN
Start	1044	End	3415
GI	none	Score	.84
Exons	1044..1187, 1447..1714, 1728..2008, 2130..2309, 3311..3415		
Seq. No.	31264	Seq. ID	OJ990419_05.9B05.C30
Gene No.	64745	Strand	-
Start	1044	End	3415
Name	OJ990419_05.9B05.C30.o1.np	Method	AAT/NAP
Start	2108	End	3145
GI	6539588	Score	241
Exons	2108..2403, 3119..3145		
GI Descrip.	(AP000837) hypothetical protein [Oryza sativa]		
Seq. No.	31264	Seq. ID	OJ990419_05.9B05.C30
Gene No.	64746	Strand	-
Start	5886	End	7558
Name	OJ990419_05.9B05.C30.o4.gs	Method	GENSCAN
Start	5886	End	7558
GI	none	Score	.71
Exons	5886..6442, 6528..6813, 6907..7071, 7100..7558		
Seq. No.	31264	Seq. ID	OJ990419_05.9B05.C30
Gene No.	64746	Strand	-
Start	5886	End	7558
Name	OJ990419_05.9B05.C30.o2.np	Method	AAT/NAP
Start	5889	End	7543
GI	6598436	Score	1618
Exons	5889..6442, 6528..6813, 6907..7189, 7223..7543		
GI Descrip.	(AC004683) putative ammonium transporter [Arabidopsis thaliana]		
Seq. No.	31264	Seq. ID	OJ990419_05.9B05.C30
Gene No.	64747	Strand	-
Start	9761	End	10452
Name	OJ990419_05.9B05.C30.o3.ts	Method	TBLASTX:Soybean
Start	5838	End	6203
GI	none	Score	244
Exons	5838..5915, 5991..6203		
Seq. No.	31264	Seq. ID	OJ990419_05.9B05.C30
Gene No.	64747	Strand	-
Start	9761	End	10452
Name	OJ990419_05.9B05.C30.o1.tm	Method	TBLASTX:Maize
Start	6103	End	6468

GI	none	Score	345
Exons	6103..6468, 6105..6446		

Seq. No.	31264	Seq. ID	OJ990419_05.9B05.C30
Gene No.	64747	Strand	-
Start	9761	End	10452
Name	OJ990419_05.9B05.C30.o2.ts	Method	TBLASTX:Soybean
Start	6205	End	6447
GI	none	Score	229
Exons	6205..6447, 6207..6446		

Seq. No.	31264	Seq. ID	OJ990419_05.9B05.C30
Gene No.	64747	Strand	-
Start	9761	End	10452
Name	OJ990419_05.9B05.C30.o4.tm	Method	TBLASTX:Maize
Start	6511	End	6798
GI	none	Score	60
Exons	6511..6648, 6511..6699, 6527..6793, 6748..6798, 6755..6796		

Seq. No.	31264	Seq. ID	OJ990419_05.9B05.C30
Gene No.	64747	Strand	-
Start	9761	End	10452
Name	OJ990419_05.9B05.C30.o1.ts	Method	TBLASTX:Soybean
Start	6514	End	7540
GI	none	Score	220
Exons	6514..6570, 6562..6699, 6563..6814, 6772..6813, 6895..7107, 6905..7111, 7109..7540, 7185..7520		

Seq. No.	31264	Seq. ID	OJ990419_05.9B05.C30
Gene No.	64747	Strand	-
Start	9761	End	10452
Name	OJ990419_05.9B05.C30.o2.tc	Method	TBLASTX:Cress
Start	6521	End	6787
GI	none	Score	195
Exons	6521..6787, 6526..6699		

Seq. No.	31264	Seq. ID	OJ990419_05.9B05.C30
Gene No.	64747	Strand	-
Start	9761	End	10452
Name	OJ990419_05.9B05.C30.o1.tw	Method	TBLASTX:Wheat
Start	6595	End	6961
GI	none	Score	228
Exons	6595..6699, 6596..6814, 6752..6820, 6895..6960, 6905..6961		

Seq. No.	31264	Seq. ID	OJ990419_05.9B05.C30
Gene No.	64747	Strand	-
Start	9761	End	10452
Name	OJ990419_05.9B05.C30.o3.tm	Method	TBLASTX:Maize
Start	7075	End	7513
GI	none	Score	261
Exons	7075..7107, 7109..7513, 7244..7495		

Seq. No.	31264	Seq. ID	OJ990419_05.9B05.C30
Gene No.	64747	Strand	-
Start	9761	End	10452
Name	OJ990419_05.9B05.C30.o1.gp	Method	AAT/GAP
Start	9761	End	10177

GI	3760700	Score	595
Exons	9761..10030, 10108..10177		

Seq. No.	31264	Seq. ID	OJ990419_05.9B05.C30
Gene No.	64747	Strand	-
Start	9761	End	10452
Name	OJ990419_05.9B05.C30.o3.tc	Method	TBLASTX:Cress
Start	9820	End	10045
GI	none	Score	122
Exons	9820..10029, 9842..10045		

Seq. No.	31264	Seq. ID	OJ990419_05.9B05.C30
Gene No.	64747	Strand	-
Start	9761	End	10452
Name	OJ990419_05.9B05.C30.o2.tm	Method	TBLASTX:Maize
Start	9855	End	10452
GI	none	Score	60
Exons	9855..9923, 9856..10026, 9856..10029, 10105..10212, 10110..10223, 10114..10224, 10320..10442, 10323..10451, 10327..10452		

Seq. No.	31264	Seq. ID	OJ990419_05.9B05.C30
Gene No.	64747	Strand	-
Start	9761	End	10452
Name	OJ990419_05.9B05.C30.o1.tc	Method	TBLASTX:Cress
Start	10098	End	10385
GI	none	Score	113
Exons	10098..10223, 10105..10224, 10323..10385, 10324..10383		

Seq. No.	31265	Seq. ID	OJ990419_05.9B05.C31
Gene No.	64748	Strand	-
Start	1	End	387
Name	OJ990419_05.9B05.C31.o1.np	Method	AAT/NAP
Start	1	End	372
GI	6598436	Score	365
Exons	1..372		
GI Descrip.	(AC004683) putative ammonium transporter [Arabidopsis thaliana]		

Seq. No.	31265	Seq. ID	OJ990419_05.9B05.C31
Gene No.	64748	Strand	-
Start	1	End	387
Name	OJ990419_05.9B05.C31.o1.ts	Method	TBLASTX:Soybean
Start	1	End	369
GI	none	Score	252
Exons	1..369, 2..349		

Seq. No.	31265	Seq. ID	OJ990419_05.9B05.C31
Gene No.	64748	Strand	-
Start	1	End	387
Name	OJ990419_05.9B05.C31.o1.tm	Method	TBLASTX:Maize
Start	1	End	343
GI	none	Score	253
Exons	1..342, 20..343		

Seq. No.	31265	Seq. ID	OJ990419_05.9B05.C31
Gene No.	64748	Strand	-
Start	1	End	387

Name	OJ990419_05.9B05.C31.o1.gs	Method	GENSCAN
Start	76	End	387
GI	none	Score	.67
Exons	76..387		

Seq. No.	31266	Seq. ID	OJ990419_05.9B05.C35
Gene No.	64749	Strand	-
Start	494	End	639
Name	OJ990419_05.9B05.C35.o1.gs	Method	GENSCAN
Start	494	End	639
GI	none	Score	.89
Exons	494..639		

Seq. No.	31267	Seq. ID	OJ990419_05.9B05.C36
Gene No.	64750	Strand	-
Start	308	End	518
Name	OJ990419_05.9B05.C36.o1.gs	Method	GENSCAN
Start	308	End	518
GI	none	Score	.41
Exons	308..375, 426..518		

Seq. No.	31268	Seq. ID	OJ990419_05.9B05.C38
Gene No.	64751	Strand	+
Start	108	End	395
Name	OJ990419_05.9B05.C38.o1.gs	Method	GENSCAN
Start	108	End	395
GI	none	Score	.41
Exons	108..140, 251..395		

Seq. No.	31269	Seq. ID	OJ990419_05.9B05.C40
Gene No.	64752	Strand	-
Start	69	End	324
Name	OJ990419_05.9B05.C40.o1.gs	Method	GENSCAN
Start	69	End	324
GI	none	Score	.49
Exons	69..242, 297..324		

Seq. No.	31270	Seq. ID	OJ990419_05.9B05.C41
Gene No.	64753	Strand	-
Start	1	End	599
Name	OJ990419_05.9B05.C41.o1.np	Method	AAT/NAP
Start	1	End	599
GI	3068705	Score	70
Exons	1..89, 419..599		
GI Descrip.	(AF049236) unknown [Arabidopsis thaliana]		

Seq. No.	31270	Seq. ID	OJ990419_05.9B05.C41
Gene No.	64753	Strand	-
Start	1	End	599
Name	OJ990419_05.9B05.C41.o1.gs	Method	GENSCAN
Start	453	End	599
GI	none	Score	.98
Exons	453..599		

Seq. No.	31271	Seq. ID	OJ990419_05.9B05.C43
Gene No.	64754	Strand	-
Start	599	End	920

Name	OJ990419_05.9B05.C43.o1.gs	Method	GENSCAN
Start	599	End	920
GI	none	Score	.91
Exons	599..712, 820..920		

Seq. No.	31272	Seq. ID	OJ990419_05.9B05.C44
Gene No.	64755	Strand	-
Start	478	End	577
Name	OJ990419_05.9B05.C44.o1.gs	Method	GENSCAN
Start	478	End	577
GI	none	Score	.4
Exons	478..577		

Seq. No.	31273	Seq. ID	OJ990419_05.9B05.C46
Gene No.	64756	Strand	+
Start	156	End	192
Name	OJ990419_05.9B05.C46.o1.gs	Method	GENSCAN
Start	156	End	192
GI	none	Score	.51
Exons	156..192		

Seq. No.	31274	Seq. ID	OJ990419_05.9B05.C47
Gene No.	64757	Strand	+
Start	343	End	468
Name	OJ990419_05.9B05.C47.o1.gs	Method	GENSCAN
Start	343	End	468
GI	none	Score	.52
Exons	343..468		

Seq. No.	31275	Seq. ID	OJ990429_06.9B03.C2
Gene No.	64758	Strand	+
Start	1	End	220
Name	OJ990429_06.9B03.C2.o1.gp	Method	AAT/GAP
Start	1	End	220
GI	30050_1.R1084	Score	386
Exons	1..220		
GI Descrip.	'4454483/gb\|AAD20930\| 5.0e-11 (AC006234) putative kinase, 5'' partial [Arabidopsis thaliana]'		

Seq. No.	31275	Seq. ID	OJ990429_06.9B03.C2
Gene No.	64759	Strand	-
Start	115	End	279
Name	OJ990429_06.9B03.C2.o1.tm	Method	TBLASTX:Maize
Start	39	End	192
GI	none	Score	113
Exons	39..119, 40..126, 110..142, 136..192		

Seq. No.	31275	Seq. ID	OJ990429_06.9B03.C2
Gene No.	64759	Strand	-
Start	115	End	279
Name	OJ990429_06.9B03.C2.o1.gs	Method	GENSCAN
Start	115	End	279
GI	none	Score	.67
Exons	115..279		

Seq. No.	31276	Seq. ID	OJ990429_06.9B03.C3
Gene No.	64760	Strand	-

Start	505	End	1404
Name	OJ990429_06.9B03.C3.o1.np	Method	AAT/NAP
Start	367	End	1404
GI	5091513	Score	1187
Exons	367..1404		
GI Descrip.	(AB023482) Hypothetical protein [Oryza sativa]		

Seq. No.	31276	Seq. ID	OJ990429_06.9B03.C3
Gene No.	64760	Strand	-
Start	505	End	1404
Name	OJ990429_06.9B03.C3.o1.gs	Method	GENSCAN
Start	505	End	1326
GI	none	Score	.99
Exons	505..1326		

Seq. No.	31277	Seq. ID	OJ990429_06.9B03.C4
Gene No.	64761	Strand	-
Start	1	End	1292
Name	OJ990429_06.9B03.C4.o1.np	Method	AAT/NAP
Start	1	End	1292
GI	5091513	Score	325
Exons	1..314, 1235..1292		
GI Descrip.	(AB023482) Hypothetical protein [Oryza sativa]		

Seq. No.	31277	Seq. ID	OJ990429_06.9B03.C4
Gene No.	64761	Strand	-
Start	1	End	1292
Name	OJ990429_06.9B03.C4.o1.gs	Method	GENSCAN
Start	27	End	1289
GI	none	Score	.73
Exons	27..314, 612..672, 1093..1289		

Seq. No.	31277	Seq. ID	OJ990429_06.9B03.C4
Gene No.	64761	Strand	-
Start	1	End	1292
Name	OJ990429_06.9B03.C4.o2.gp	Method	AAT/GAP
Start	956	End	1063
GI	5816518	Score	153
Exons	956..1063		
GI Descrip.	4521193/dbj\|AB013450.1\|AB013450 3.0e-40 Oryza sativa DNA, similar sequence to Pib gene		

Seq. No.	31277	Seq. ID	OJ990429_06.9B03.C4
Gene No.	64761	Strand	-
Start	1	End	1292
Name	OJ990429_06.9B03.C4.o2.np	Method	AAT/NAP
Start	1049	End	1292
GI	3492806	Score	171
Exons	1049..1292		
GI Descrip.	(AJ225045) adventitious rooting related oxygenase [Malus domestica]		

Seq. No.	31277	Seq. ID	OJ990429_06.9B03.C4
Gene No.	64761	Strand	-
Start	1	End	1292
Name	OJ990429_06.9B03.C4.o1.ts	Method	TBLASTX:Soybean
Start	1083	End	1290

GI	5753428	Score	124
Exons	1083..1289, 1108..1290		
GI Descrip.	3492806/emb_CAA12386_ 2.0e-54 (AJ225045) adventitious rooting related oxygenase [Malus domestica]		

Seq. No.	31277	Seq. ID	OJ990429_06.9B03.C4
Gene No.	64761	Strand	-
Start	1	End	1292
Name	OJ990429_06.9B03.C4.o1.tm	Method	TBLASTX:Maize
Start	1092	End	1290
GI	none	Score	202
Exons	1092..1289, 1093..1290		

Seq. No.	31278	Seq. ID	OJ990429_06.9B03.C5
Gene No.	64762	Strand	-
Start	4	End	735
Name	OJ990429_06.9B03.C5.o1.gs	Method	GENSCAN
Start	4	End	720
GI	none	Score	.83
Exons	4..20, 87..335, 492..720		

Seq. No.	31278	Seq. ID	OJ990429_06.9B03.C5
Gene No.	64762	Strand	-
Start	4	End	735
Name	OJ990429_06.9B03.C5.o1.tm	Method	TBLASTX:Maize
Start	88	End	315
GI	none	Score	218
Exons	88..315, 89..313, 100..315		

Seq. No.	31278	Seq. ID	OJ990429_06.9B03.C5
Gene No.	64762	Strand	-
Start	4	End	735
Name	OJ990429_06.9B03.C5.o1.tw	Method	TBLASTX:Wheat
Start	486	End	735
GI	none	Score	244
Exons	486..722, 487..735, 491..721		

Seq. No.	31279	Seq. ID	OJ990429_06.9B03.C6
Gene No.	64763	Strand	+
Start	264	End	420
Name	OJ990429_06.9B03.C6.o1.gs	Method	GENSCAN
Start	264	End	420
GI	none	Score	.83
Exons	264..420		

Seq. No.	31280	Seq. ID	OJ990429_06.9B03.C7
Gene No.	64764	Strand	-
Start	532	End	1388
Name	OJ990429_06.9B03.C7.o1.gs	Method	GENSCAN
Start	532	End	1388
GI	none	Score	.49
Exons	532..626, 913..1040, 1303..1388		

Seq. No.	31280	Seq. ID	OJ990429_06.9B03.C7
Gene No.	64765	Strand	-
Start	2381	End	3658
Name	OJ990429_06.9B03.C7.o2.gs	Method	GENSCAN

Start	2381	End	3658
GI	none	Score	.55
Exons	2381..2654, 3466..3589, 3625..3658		

Seq. No.	31280	Seq. ID	OJ990429_06.9B03.C7
Gene No.	64766	Strand	-
Start	6873	End	7139
Name	OJ990429_06.9B03.C7.o3.gs	Method	GENSCAN
Start	6873	End	7139
GI	none	Score	.97
Exons	6873..7139		

Seq. No.	31281	Seq. ID	OJ990429_06.9B03.C8
Gene No.	64767	Strand	-
Start	1	End	991
Name	OJ990429_06.9B03.C8.o1.np	Method	AAT/NAP
Start	1	End	991
GI	6069646	Score	315
Exons	1..785, 942..991		
GI Descrip.	(AP000616) similar to putative reverse transcriptase (AC005315) [Oryza sativa] gi\|6907112\|dbj\|BAA90639.1\| (AP001129) Similar to Arabidopsis thaliana chromosome II BAC F9O13 genomic sequence, putative non-LTR retroelement reverse transcriptase. (AC006248) [Oryza sativa]		

Seq. No.	31281	Seq. ID	OJ990429_06.9B03.C8
Gene No.	64767	Strand	-
Start	1	End	991
Name	OJ990429_06.9B03.C8.o1.tm	Method	TBLASTX:Maize
Start	16	End	431
GI	none	Score	56
Exons	16..225, 17..217, 225..431		

Seq. No.	31281	Seq. ID	OJ990429_06.9B03.C8
Gene No.	64767	Strand	-
Start	1	End	991
Name	OJ990429_06.9B03.C8.o2.tm	Method	TBLASTX:Maize
Start	501	End	755
GI	none	Score	137
Exons	501..608, 615..755		

Seq. No.	31281	Seq. ID	OJ990429_06.9B03.C8
Gene No.	64767	Strand	-
Start	1	End	991
Name	OJ990429_06.9B03.C8.o1.gs	Method	GENSCAN
Start	540	End	926
GI	none	Score	.46
Exons	540..926		

Seq. No.	31282	Seq. ID	OJ990429_06.9B03.C9
Gene No.	64768	Strand	+
Start	444	End	2036
Name	OJ990429_06.9B03.C9.o2.tw	Method	TBLASTX:Wheat
Start	370	End	772
GI	none	Score	150
Exons	370..633, 437..688, 695..772		

Seq. No.	31282	Seq. ID	OJ990429_06.9B03.C9
Gene No.	64768	Strand	+
Start	444	End	2036
Name	OJ990429_06.9B03.C9.o2.tm	Method	TBLASTX:Maize
Start	437	End	757
GI	none	Score	315
Exons	437..757, 445..657, 461..745		

Seq. No.	31282	Seq. ID	OJ990429_06.9B03.C9
Gene No.	64768	Strand	+
Start	444	End	2036
Name	OJ990429_06.9B03.C9.o1.np	Method	AAT/NAP
Start	444	End	2036
GI	6069646	Score	707
Exons	444..1236, 1525..2036		
GI Descrip.	(AP000616) similar to putative reverse transcriptase (AC005315) [Oryza sativa] gi\|6907112\|dbj\|BAA90639.1\| (AP001129) Similar to Arabidopsis thaliana chromosome II BAC F9O13 genomic sequence, putative non-LTR retroelement reverse transcriptase. (AC006248) [Oryza sativa]		

Seq. No.	31282	Seq. ID	OJ990429_06.9B03.C9
Gene No.	64768	Strand	+
Start	444	End	2036
Name	OJ990429_06.9B03.C9.o1.tm	Method	TBLASTX:Maize
Start	758	End	1456
GI	none	Score	487
Exons	758..925, 769..960, 770..1456, 1006..1152, 1186..1455		

Seq. No.	31282	Seq. ID	OJ990429_06.9B03.C9
Gene No.	64768	Strand	+
Start	444	End	2036
Name	OJ990429_06.9B03.C9.o1.ts	Method	TBLASTX:Soybean
Start	1076	End	1621
GI	none	Score	138
Exons	1076..1426, 1493..1621		

Seq. No.	31282	Seq. ID	OJ990429_06.9B03.C9
Gene No.	64768	Strand	+
Start	444	End	2036
Name	OJ990429_06.9B03.C9.o1.tw	Method	TBLASTX:Wheat
Start	1100	End	1543
GI	none	Score	207
Exons	1100..1393, 1493..1543		

Seq. No.	31282	Seq. ID	OJ990429_06.9B03.C9
Gene No.	64768	Strand	+
Start	444	End	2036
Name	OJ990429_06.9B03.C9.o3.tm	Method	TBLASTX:Maize
Start	1519	End	1801
GI	none	Score	201
Exons	1519..1698, 1520..1699, 1712..1801		

Seq. No.	31283	Seq. ID	OJ990429_06.9B03.C12
Gene No.	64769	Strand	+
Start	1506	End	2103
Name	OJ990429_06.9B03.C12.o1.np	Method	AAT/NAP

Start	1506	End	2103
GI	3492806	Score	272
Exons	1506..1845, 2021..2103		
GI Descrip.	(AJ225045) adventitious rooting related oxygenase [Malus domestica]		

Seq. No.	31283	Seq. ID	OJ990429_06.9B03.C12
Gene No.	64769	Strand	+
Start	1506	End	2103
Name	OJ990429_06.9B03.C12.o1.gs	Method	GENSCAN
Start	1525	End	1840
GI	none	Score	.87
Exons	1525..1840		

Seq. No.	31283	Seq. ID	OJ990429_06.9B03.C12
Gene No.	64770	Strand	-
Start	1029	End	1340
Name	OJ990429_06.9B03.C12.o1.gp	Method	AAT/GAP
Start	1029	End	1134
GI	5816518	Score	152
Exons	1029..1134		
GI Descrip.	4521193/dbj\|AB013450.1\|AB013450 3.0e-40 Oryza sativa DNA, similar sequence to Pib gene		

Seq. No.	31283	Seq. ID	OJ990429_06.9B03.C12
Gene No.	64770	Strand	-
Start	1029	End	1340
Name	OJ990429_06.9B03.C12.o2.gp	Method	AAT/GAP
Start	1029	End	1340
GI	72524_1.R1084	Score	417
Exons	1029..1340		
GI Descrip.	'5091496/dbj\|AB023482.2\|AB023482 3.0e-84 Oryza sativa genomic DNA, chromosome 6, clone P0680A03, complete sequence'		

Seq. No.	31283	Seq. ID	OJ990429_06.9B03.C12
Gene No.	64771	Strand	
Start	1502	End	1851
Name	OJ990429_06.9B03.C12.o1.tm	Method	TBLASTX:Maize
Start	1502	End	1742
GI	none	Score	93
Exons	1502..1606, 1523..1606, 1606..1704, 1607..1741, 1612..1713, 1613..1738, 1626..1742		

Seq. No.	31283	Seq. ID	OJ990429_06.9B03.C12
Gene No.	64771	Strand	
Start	1502	End	1851
Name	OJ990429_06.9B03.C12.o1.ts	Method	TBLASTX:Soybean
Start	1523	End	1851
GI	none	Score	59
Exons	1523..1606, 1604..1765, 1621..1710, 1769..1843, 1774..1851		

Seq. No.	31284	Seq. ID	OJ990429_06.9B03.C13
Gene No.	64772	Strand	+
Start	1	End	270
Name	OJ990429_06.9B03.C13.o1.np	Method	AAT/NAP
Start	1	End	270
GI	3492806	Score	199

Exons	1..270		
GI Descrip.	(AJ225045) adventitious rooting related oxygenase [Malus domestica]		
Seq. No.	31284	Seq. ID	OJ990429_06.9B03.C13
Gene No.	64772	Strand	+
Start	1	End	270
Name	OJ990429_06.9B03.C13.o1.gs	Method	GENSCAN
Start	88	End	267
GI	none	Score	1
Exons	88..267		
Seq. No.	31284	Seq. ID	OJ990429_06.9B03.C13
Gene No.	64773	Strand	-
Start	2338	End	2686
Name	OJ990429_06.9B03.C13.o1.tm	Method	TBLASTX:Maize
Start	9	End	267
GI	none	Score	76
Exons	9..170, 24..98, 25..162, 177..254, 220..267		
Seq. No.	31284	Seq. ID	OJ990429_06.9B03.C13
Gene No.	64773	Strand	-
Start	2338	End	2686
Name	OJ990429_06.9B03.C13.o1.gp	Method	AAT/GAP
Start	2338	End	2686
GI	366_4.R1084	Score	635
Exons	2338..2686		
GI Descrip.	'4521193/dbj\|AB013450.1\|AB013450 3.0e-40 Oryza sativa DNA, similar sequence to Pib gene'		
Seq. No.	31285	Seq. ID	OJ990429_06.9B03.C14
Gene No.	64774	Strand	+
Start	744	End	1192
Name	OJ990429_06.9B03.C14.o1.gp	Method	AAT/GAP
Start	744	End	1192
GI	none	Score	889
Exons	744..1192		
Seq. No.	31285	Seq. ID	OJ990429_06.9B03.C14
Gene No.	64775	Strand	-
Start	742	End	4479
Name	OJ990429_06.9B03.C14.o1.gs	Method	GENSCAN
Start	742	End	4425
GI	none	Score	.71
Exons	742..1131, 1239..1361, 1453..2141, 2838..3024, 3270..3320, 3404..3569, 3962..4425		
Seq. No.	31285	Seq. ID	OJ990429_06.9B03.C14
Gene No.	64775	Strand	-
Start	742	End	4479
Name	OJ990429_06.9B03.C14.o1.tm	Method	TBLASTX:Maize
Start	982	End	2047
GI	none	Score	124
Exons	982..1077, 990..1088, 1065..1241, 1126..1233, 1248..1304, 1261..1305, 1284..1361, 1309..1362, 1453..1659, 1461..1667, 1463..1663, 1531..1905, 1748..1810, 1852..2034, 1861..2031, 1865..2047		

Seq. No.	31285	Seq. ID	OJ990429_06.9B03.C14
Gene No.	64775	Strand	-
Start	742	End	4479
Name	OJ990429_06.9B03.C14.o1.np	Method	AAT/NAP
Start	1011	End	4425
GI	2702277	Score	1378
Exons	1011..1757, 1800..2213, 2877..3063, 3270..3320, 3404..3569, 3962..4425		
GI Descrip.	(AC003033) putative serine/threonine protein kinase [Arabidopsis thaliana]		

Seq. No.	31285	Seq. ID	OJ990429_06.9B03.C14
Gene No.	64775	Strand	-
Start	742	End	4479
Name	OJ990429_06.9B03.C14.o3.ts	Method	TBLASTX:Soybean
Start	1484	End	2031
GI	none	Score	68
Exons	1484..1627, 1486..1677, 1675..1758, 1954..2031		

Seq. No.	31285	Seq. ID	OJ990429_06.9B03.C14
Gene No.	64775	Strand	-
Start	742	End	4479
Name	OJ990429_06.9B03.C14.o3.tm	Method	TBLASTX:Maize
Start	2048	End	4081
GI	none	Score	83
Exons	2048..2143, 2048..2143, 2049..2165, 2644..2754, 2654..2761, 2673..2762, 2856..3059, 2863..3060, 2881..3063, 2882..3064, 3268..3321, 3270..3323, 3270..3323, 3401..3571, 3401..3571, 3403..3573, 3943..4080, 3962..4081		

Seq. No.	31285	Seq. ID	OJ990429_06.9B03.C14
Gene No.	64775	Strand	-
Start	742	End	4479
Name	OJ990429_06.9B03.C14.o2.ts	Method	TBLASTX:Soybean
Start	2695	End	3065
GI	none	Score	56
Exons	2695..2751, 2696..2752, 2823..3056, 2836..3063, 2837..3064, 2847..3065		

Seq. No.	31285	Seq. ID	OJ990429_06.9B03.C14
Gene No.	64775	Strand	-
Start	742	End	4479
Name	OJ990429_06.9B03.C14.o2.tm	Method	TBLASTX:Maize
Start	4081	End	4479
GI	none	Score	409
Exons	4081..4479, 4084..4428		

Seq. No.	31285	Seq. ID	OJ990429_06.9B03.C14
Gene No.	64775	Strand	-
Start	742	End	4479
Name	OJ990429_06.9B03.C14.o1.ts	Method	TBLASTX:Soybean
Start	4098	End	4426
GI	none	Score	71
Exons	4098..4274, 4099..4425, 4100..4426		

Seq. No.	31286	Seq. ID	OJ990429_06.9B03.C15

Gene No.	64776	Strand	+
Start	395	End	5348
Name	OJ990429_06.9B03.C15.o1.np	Method	AAT/NAP
Start	395	End	5348
GI	6523547	Score	109
Exons	395..548, 4972..5348		
GI Descrip.	(AJ242540) hydroxyproline-rich glycoprotein DZ-HRGP [Volvox carteri f. nagariensis]		

Seq. No.	31286	Seq. ID	OJ990429_06.9B03.C15
Gene No.	64776	Strand	+
Start	395	End	5348
Name	OJ990429_06.9B03.C15.o1.gs	Method	GENSCAN
Start	493	End	5334
GI	none	Score	.7
Exons	493..742, 3045..3212, 3506..3577, 4579..4607, 5012..5334		

Seq. No.	31287	Seq. ID	OJ990429_06.9B03.C16
Gene No.	64777	Strand	+
Start	1	End	2172
Name	OJ990429_06.9B03.C16.o1.np	Method	AAT/NAP
Start	1	End	2169
GI	6862953	Score	787
Exons	1..29, 373..451, 545..669, 1279..1380, 1490..1558, 1644..1742, 2035..2169		
GI Descrip.	(AC019018) unknown protein [Arabidopsis thaliana]		

Seq. No.	31287	Seq. ID	OJ990429_06.9B03.C16
Gene No.	64777	Strand	+
Start	1	End	2172
Name	OJ990429_06.9B03.C16.o1.gs	Method	GENSCAN
Start	373	End	2172
GI	none	Score	.68
Exons	373..451, 545..669, 1279..1380, 1490..1558, 2035..2172		

Seq. No.	31287	Seq. ID	OJ990429_06.9B03.C16
Gene No.	64778	Strand	+
Start	2167	End	2325
Name	OJ990429_06.9B03.C16.o1.gp	Method	AAT/GAP
Start	2167	End	2325
GI	none	Score	265
Exons	2167..2325		

Seq. No.	31287	Seq. ID	OJ990429_06.9B03.C16
Gene No.	64779	Strand	+
Start	3482	End	4016
Name	OJ990429_06.9B03.C16.o1.tm	Method	TBLASTX:Maize
Start	352	End	2250
GI	none	Score	150
Exons	352..450, 372..449, 520..672, 522..665, 544..684, 1272..1376, 1276..1383, 1278..1376, 1487..1561, 1487..1558, 1489..1560, 1636..1743, 1643..1741, 1644..1745, 2030..2182, 2030..2164, 2191..2250		

Seq. No.	31287	Seq. ID	OJ990429_06.9B03.C16
Gene No.	64779	Strand	+
Start	3482	End	4016

Name	OJ990429_06.9B03.C16.o1.ts	Method	TBLASTX:Soybean
Start	564	End	1739
GI	none	Score	142
Exons	564..659, 565..678, 1273..1383, 1275..1379, 1276..1380, 1486..1560, 1487..1561, 1608..1730, 1642..1731, 1643..1735, 1644..1739		

Seq. No.	31287	Seq. ID	OJ990429_06.9B03.C16
Gene No.	64779	Strand	+
Start	3482	End	4016
Name	OJ990429_06.9B03.C16.o1.tc	Method	TBLASTX:Cress
Start	1267	End	1712
GI	none	Score	186
Exons	1267..1383, 1267..1383, 1272..1385, 1487..1564, 1487..1558, 1489..1560, 1622..1687, 1629..1697, 1643..1708, 1644..1712		

Seq. No.	31287	Seq. ID	OJ990429_06.9B03.C16
Gene No.	64779	Strand	+
Start	3482	End	4016
Name	OJ990429_06.9B03.C16.o2.gp	Method	AAT/GAP
Start	3429	End	3900
GI	18112_1.R1084	Score	619
Exons	3429..3696, 3794..3900		
GI Descrip.	'464621/sp\|P34091\|RL6_MESCR 6.0e-65 60S RIBOSOMAL PROTEIN L6 (YL16-LIKE) >gi_280374_pir__S28586 ribosomal protein ML16 - common ice plant >gi_19539_emb_CAA49175_ (X69378) ribosomal protein YL16 [Mesembryanthemum crystallinum]'		

Seq. No.	31287	Seq. ID	OJ990429_06.9B03.C16
Gene No.	64779	Strand	+
Start	3482	End	4016
Name	OJ990429_06.9B03.C16.o2.np	Method	AAT/NAP
Start	3450	End	4016
GI	464621	Score	269
Exons	3450..3696, 3794..4016		
GI Descrip.	60S RIBOSOMAL PROTEIN L6 (YL16-LIKE) gi\|280374\|pir\|\|S28586 ribosomal protein ML16 - common ice plant gi\|19539\|emb\|CAA49175\| (X69378) ribosomal protein YL16 [Mesembryanthemum crystallinum]		

Seq. No.	31287	Seq. ID	OJ990429_06.9B03.C16
Gene No.	64779	Strand	+
Start	3482	End	4016
Name	OJ990429_06.9B03.C16.o3.gp	Method	AAT/GAP
Start	3466	End	3900
GI	18112_1.R1084	Score	578
Exons	3466..3696, 3794..3900		
GI Descrip.	'464621/sp\|P34091\|RL6_MESCR 6.0e-65 60S RIBOSOMAL PROTEIN L6 (YL16-LIKE) >gi_280374_pir__S28586 ribosomal protein ML16 - common ice plant >gi_19539_emb_CAA49175_ (X69378) ribosomal protein YL16 [Mesembryanthemum crystallinum]'		

Seq. No.	31287	Seq. ID	OJ990429_06.9B03.C16
Gene No.	64779	Strand	+
Start	3482	End	4016
Name	OJ990429_06.9B03.C16.o2.tm	Method	TBLASTX:Maize
Start	3475	End	3902
GI	none	Score	136

Exons	3475..3576, 3481..3588, 3482..3700, 3791..3895, 3792..3902, 3792..3896		
Seq. No.	31287	Seq. ID	OJ990429_06.9B03.C16
Gene No.	64779	Strand	+
Start	3482	End	4016
Name	OJ990429_06.9B03.C16.o2.gs	Method	GENSCAN
Start	3482	End	3757
GI	none	Score	.63
Exons	3482..3757		
Seq. No.	31287	Seq. ID	OJ990429_06.9B03.C16
Gene No.	64779	Strand	+
Start	3482	End	4016
Name	OJ990429_06.9B03.C16.o2.tc	Method	TBLASTX:Cress
Start	3500	End	3902
GI	none	Score	111
Exons	3500..3589, 3529..3588, 3629..3700, 3791..3901, 3792..3902		
Seq. No.	31287	Seq. ID	OJ990429_06.9B03.C16
Gene No.	64779	Strand	+
Start	3482	End	4016
Name	OJ990429_06.9B03.C16.o2.ts	Method	TBLASTX:Soybean
Start	3500	End	3902
GI	none	Score	104
Exons	3500..3583, 3508..3588, 3629..3700, 3782..3901, 3792..3902		
Seq. No.	31288	Seq. ID	OJ990429_06.9B03.C17
Gene No.	64780	Strand	+
Start	1	End	648
Name	OJ990429_06.9B03.C17.o1.gp	Method	AAT/GAP
Start	1	End	648
GI	18112_1.R1084	Score	1064
Exons	1..168, 263..648		
GI Descrip.	'464621/sp\|P34091\|RL6_MESCR 6.0e-65 60S RIBOSOMAL PROTEIN L6 (YL16-LIKE) >gi_280374_pir__S28586 ribosomal protein ML16 - common ice plant >gi_19539_emb_CAA49175_ (X69378) ribosomal protein YL16 [Mesembryanthemum crystallinum]'		
Seq. No.	31288	Seq. ID	OJ990429_06.9B03.C17
Gene No.	64780	Strand	+
Start	1	End	648
Name	OJ990429_06.9B03.C17.o1.np	Method	AAT/NAP
Start	1	End	415
GI	464621	Score	355
Exons	1..168, 263..415		
GI Descrip.	60S RIBOSOMAL PROTEIN L6 (YL16-LIKE) gi\|280374\|pir\|\|S28586 ribosomal protein ML16 - common ice plant gi\|19539\|emb\|CAA49175\| (X69378) ribosomal protein YL16 [Mesembryanthemum crystallinum]		
Seq. No.	31288	Seq. ID	OJ990429_06.9B03.C17
Gene No.	64780	Strand	+
Start	1	End	648
Name	OJ990429_06.9B03.C17.o1.tc	Method	TBLASTX:Cress
Start	1	End	472
GI	none	Score	216
Exons	1..168, 1..93, 3..104, 20..112, 269..472, 277..405, 288..470		

Seq. No.	31288	Seq. ID	OJ990429_06.9B03.C17
Gene No.	64780	Strand	+
Start	1	End	648
Name	OJ990429_06.9B03.C17.o1.tm	Method	TBLASTX:Maize
Start	1	End	547
GI	none	Score	251
Exons	1..168, 1..93, 2..172, 260..421, 262..417, 263..418, 345..437, 443..493, 458..547, 466..492, 498..545		

Seq. No.	31288	Seq. ID	OJ990429_06.9B03.C17
Gene No.	64780	Strand	+
Start	1	End	648
Name	OJ990429_06.9B03.C17.o1.ts	Method	TBLASTX:Soybean
Start	1	End	418
GI	none	Score	216
Exons	1..168, 1..93, 3..125, 262..417, 268..399, 275..418, 275..418		

Seq. No.	31288	Seq. ID	OJ990429_06.9B03.C17
Gene No.	64780	Strand	+
Start	1	End	648
Name	OJ990429_06.9B03.C17.o1.gs	Method	GENSCAN
Start	58	End	418
GI	none	Score	.93
Exons	58..168, 263..418		

Seq. No.	31288	Seq. ID	OJ990429_06.9B03.C17
Gene No.	64780	Strand	+
Start	1	End	648
Name	OJ990429_06.9B03.C17.o1.tw	Method	TBLASTX:Wheat
Start	64	End	548
GI	none	Score	141
Exons	64..168, 64..93, 72..128, 86..181, 260..487, 261..281, 262..417, 262..492, 263..457, 345..488, 467..547, 489..548		

Seq. No.	31289	Seq. ID	OJ990429_06.9B03.C20
Gene No.	64781	Strand	+
Start	2196	End	4944
Name	OJ990429_06.9B03.C20.o1.np	Method	AAT/NAP
Start	2196	End	4944
GI	2130154	Score	101
Exons	2196..2248, 3411..3585, 4857..4944		
GI Descrip.	hypothetical protein 241 - maize chloroplast gi\|902268\|emb\|CAA60333\| (X86563) ORF241 [Zea mays] gi\|902303\|emb\|CAA60367\| (X86563) ORF241 [Zea mays]		

Seq. No.	31289	Seq. ID	OJ990429_06.9B03.C20
Gene No.	64782	Strand	-
Start	3927	End	5395
Name	OJ990429_06.9B03.C20.o2.gs	Method	GENSCAN
Start	3927	End	5395
GI	none	Score	.89
Exons	3927..4222, 5084..5193, 5280..5395		

Seq. No.	31290	Seq. ID	OJ990429_06.9B03.C21
Gene No.	64783	Strand	+
Start	2148	End	5971

Name	OJ990429_06.9B03.C21.o1.gs	Method	GENSCAN
Start	2148	End	5971
GI	none	Score	.44
Exons	2148..2235, 2931..2996, 3665..3747, 4304..4433, 4816..5032, 5601..5699, 5762..5971		

Seq. No.	31291	Seq. ID	OJ990429_06.9B03.C22
Gene No.	64784	Strand	+
Start	1536	End	1979
Name	OJ990429_06.9B03.C22.o1.gs	Method	GENSCAN
Start	1536	End	1979
GI	none	Score	.63
Exons	1536..1979		

Seq. No.	31291	Seq. ID	OJ990429_06.9B03.C22
Gene No.	64785	Strand	-
Start	3485	End	4542
Name	OJ990429_06.9B03.C22.o1.tm	Method	TBLASTX:Maize
Start	1808	End	2213
GI	none	Score	207
Exons	1808..1984, 1813..1986, 1818..1985, 2060..2080, 2060..2092, 2184..2213, 2185..2211		

Seq. No.	31291	Seq. ID	OJ990429_06.9B03.C22
Gene No.	64785	Strand	-
Start	3485	End	4542
Name	OJ990429_06.9B03.C22.o2.gs	Method	GENSCAN
Start	3485	End	4542
GI	none	Score	.48
Exons	3485..3604, 4106..4257, 4359..4542		

Seq. No.	31292	Seq. ID	OJ990429_06.9B03.C23
Gene No.	64786	Strand	-
Start	60	End	3066
Name	OJ990429_06.9B03.C23.o1.gs	Method	GENSCAN
Start	60	End	3066
GI	none	Score	.85
Exons	60..221, 446..566, 1120..1239, 1367..1458, 2255..2314, 2748..2877, 3062..3066		

Seq. No.	31292	Seq. ID	OJ990429_06.9B03.C23
Gene No.	64786	Strand	-
Start	60	End	3066
Name	OJ990429_06.9B03.C23.o1.tm	Method	TBLASTX:Maize
Start	251	End	2306
GI	none	Score	61
Exons	251..313, 259..315, 434..571, 446..565, 450..569, 469..582, 669..743, 670..741, 739..762, 741..761, 954..1019, 955..1020, 956..1021, 1104..1187, 1119..1184, 1121..1192, 1121..1198, 1299..1460, 1358..1450, 1366..1461, 1366..1464, 2251..2298, 2253..2306		

Seq. No.	31293	Seq. ID	OJ990429_06.9B03.C26
Gene No.	64787	Strand	+
Start	2561	End	6246
Name	OJ990429_06.9B03.C26.o1.gp	Method	AAT/GAP
Start	2561	End	4985

GI	60358_1.R1084	Score	1242
Exons	2561..2761, 2859..2925, 3181..3246, 3352..3398, 3497..3542, 3656..3736, 3824..3866, 3968..4014, 4788..4869, 4953..4985		
GI Descrip.	'5932553/gb\|AAD57008.1\|AC009465_22 2.0e-76 (AC009465) putative kinase [Arabidopsis thaliana]'		

Seq. No.	31293	Seq. ID	OJ990429_06.9B03.C26
Gene No.	64787	Strand	+
Start	2561	End	6246
Name	OJ990429_06.9B03.C26.o1.gs	Method	GENSCAN
Start	2676	End	6246
GI	none	Score	.63
Exons	2676..2761, 2859..2925, 3181..3279, 3824..3866, 3968..4014, 4788..4869, 4953..5002, 5086..5159, 5212..5296, 5440..6246		

Seq. No.	31293	Seq. ID	OJ990429_06.9B03.C26
Gene No.	64787	Strand	+
Start	2561	End	6246
Name	OJ990429_06.9B03.C26.o1.np	Method	AAT/NAP
Start	2676	End	5529
GI	5932553	Score	542
Exons	2676..2761, 2859..2925, 3181..3246, 3352..3398, 3497..3542, 3656..3736, 3824..3866, 3968..4014, 4788..4869, 4953..5002, 5086..5159, 5245..5296, 5384..5529		
GI Descrip.	(AC009465) putative kinase [Arabidopsis thaliana]		

Seq. No.	31293	Seq. ID	OJ990429_06.9B03.C26
Gene No.	64787	Strand	+
Start	2561	End	6246
Name	OJ990429_06.9B03.C26.o2.np	Method	AAT/NAP
Start	3497	End	5529
GI	5932553	Score	333
Exons	3497..3542, 3656..3736, 3824..3866, 3968..4014, 4788..4869, 4953..5002, 5086..5159, 5245..5296, 5384..5529		
GI Descrip.	(AC009465) putative kinase [Arabidopsis thaliana]		

Seq. No.	31293	Seq. ID	OJ990429_06.9B03.C26
Gene No.	64787	Strand	+
Start	2561	End	6246
Name	OJ990429_06.9B03.C26.o2.gp	Method	AAT/GAP
Start	5227	End	6058
GI	none	Score	1332
Exons	5227..5296, 5384..6058		

Seq. No.	31293	Seq. ID	OJ990429_06.9B03.C26
Gene No.	64788	Strand	-
Start	5964	End	6485
Name	OJ990429_06.9B03.C26.o2.ts	Method	TBLASTX:Soybean
Start	2675	End	3736
GI	none	Score	125
Exons	2675..2761, 2676..2762, 2856..2939, 2857..2946, 3178..3246, 3180..3242, 3363..3404, 3364..3405, 3498..3542, 3653..3736, 3658..3735		

Seq. No.	31293	Seq. ID	OJ990429_06.9B03.C26
Gene No.	64788	Strand	-
Start	5964	End	6485

Name	OJ990429_06.9B03.C26.o4.tm	Method	TBLASTX:Maize
Start	2675	End	2944
GI	none	Score	134
Exons	2675..2764, 2676..2762, 2820..2924, 2855..2944, 2857..2931		

Seq. No.	31293	Seq. ID	OJ990429_06.9B03.C26
Gene No.	64788	Strand	-
Start	5964	End	6485
Name	OJ990429_06.9B03.C26.o2.tm	Method	TBLASTX:Maize
Start	3183	End	5116
GI	none	Score	98
Exons	3183..3239, 3183..3245, 3184..3246, 3339..3404, 3349..3405, 3494..3541, 3498..3542, 3501..3542, 3638..3736, 3648..3728, 3655..3735, 3814..3858, 3818..3865, 3958..4041, 3966..4028, 4788..4871, 4788..4871, 4789..4872, 4951..5007, 4952..4999, 5081..5116, 5087..5116		

Seq. No.	31293	Seq. ID	OJ990429_06.9B03.C26
Gene No.	64788	Strand	-
Start	5964	End	6485
Name	OJ990429_06.9B03.C26.o2.tw	Method	TBLASTX:Wheat
Start	3351	End	5118
GI	none	Score	83
Exons	3351..3398, 3352..3399, 3352..3399, 3468..3542, 3498..3542, 3628..3735, 3638..3736, 3795..3857, 3814..3861, 3818..3865, 3958..4041, 3966..4028, 4788..4871, 4790..4870, 4795..4875, 4795..4875, 4952..4999, 4952..5002, 4956..5003, 5081..5116, 5086..5118, 5087..5116		

Seq. No.	31293	Seq. ID	OJ990429_06.9B03.C26
Gene No.	64788	Strand	-
Start	5964	End	6485
Name	OJ990429_06.9B03.C26.o1.ts	Method	TBLASTX:Soybean
Start	3827	End	6221
GI	none	Score	65
Exons	3827..3868, 3958..3993, 4788..4871, 4790..4870, 4952..4999, 5067..5171, 5086..5118, 5245..5295, 5246..5302, 5383..5469, 5384..5470, 6052..6219, 6129..6221		

Seq. No.	31293	Seq. ID	OJ990429_06.9B03.C26
Gene No.	64788	Strand	-
Start	5964	End	6485
Name	OJ990429_06.9B03.C26.o1.tm	Method	TBLASTX:Maize
Start	5242	End	5814
GI	none	Score	94
Exons	5242..5295, 5243..5296, 5243..5296, 5383..5469, 5384..5506, 5396..5485, 5494..5706, 5496..5708, 5509..5748, 5707..5805, 5707..5814		

Seq. No.	31293	Seq. ID	OJ990429_06.9B03.C26
Gene No.	64788	Strand	-
Start	5964	End	6485
Name	OJ990429_06.9B03.C26.o1.tw	Method	TBLASTX:Wheat
Start	5614	End	6018
GI	none	Score	105
Exons	5614..5688, 5616..5690, 5622..5687, 5624..5707, 5721..5915, 5721..6002, 5722..6018		

Seq. No.	31293	Seq. ID	OJ990429_06.9B03.C26
Gene No.	64788	Strand	-
Start	5964	End	6485
Name	OJ990429_06.9B03.C26.o3.tm	Method	TBLASTX:Maize
Start	5881	End	6227
GI	none	Score	83
Exons	5881..5979, 5883..5978, 5961..6227, 5965..6216		

Seq. No.	31293	Seq. ID	OJ990429_06.9B03.C26
Gene No.	64788	Strand	-
Start	5964	End	6485
Name	OJ990429_06.9B03.C26.o3.gp	Method	AAT/GAP
Start	5964	End	6485
GI	3767718	Score	947
Exons	5964..6485		

Seq. No.	31294	Seq. ID	OJ990429_06.9B03.C27
Gene No.	64789	Strand	+
Start	690	End	1758
Name	OJ990429_06.9B03.C27.o1.gs	Method	GENSCAN
Start	690	End	1758
GI	none	Score	.69
Exons	690..809, 842..948, 960..1203, 1693..1758		

Seq. No.	31295	Seq. ID	OJ990429_06.9B03.C28
Gene No.	64790	Strand	+
Start	1	End	1788
Name	OJ990429_06.9B03.C28.o1.np	Method	AAT/NAP
Start	1	End	1788
GI	6006374	Score	64
Exons	1..91, 1589..1788		
GI Descrip.	(AP000559) Similar to Rice tungro bacilliform virus; reverse transcriptase (D10774) [Oryza sativa]		

Seq. No.	31296	Seq. ID	OJ990429_06.9B03.C30
Gene No.	64791	Strand	+
Start	325	End	1405
Name	OJ990429_06.9B03.C30.o1.gs	Method	GENSCAN
Start	325	End	1405
GI	none	Score	.69
Exons	325..399, 1251..1405		

Seq. No.	31297	Seq. ID	OJ990429_06.9B03.C31
Gene No.	64792	Strand	+
Start	250	End	666
Name	OJ990429_06.9B03.C31.o1.gs	Method	GENSCAN
Start	250	End	666
GI	none	Score	.89
Exons	250..666		

Seq. No.	31297	Seq. ID	OJ990429_06.9B03.C31
Gene No.	64793	Strand	+
Start	3004	End	5482
Name	OJ990429_06.9B03.C31.o1.np	Method	AAT/NAP
Start	2761	End	5482
GI	3935185	Score	401

Exons	2761..2848, 3124..3467, 4600..5325, 5353..5482		
GI Descrip.	(AC004557) F17L21.28 [Arabidopsis thaliana]		
Seq. No.	31297	Seq. ID	OJ990429_06.9B03.C31
Gene No.	64793	Strand	+
Start	3004	End	5482
Name	OJ990429_06.9B03.C31.o1.gp	Method	AAT/GAP
Start	2799	End	4609
GI	12452_2.R1084	Score	1313
Exons	2799..3419, 4553..4609		
GI Descrip.	'3935185 4.0e-15 (AC004557) F17L21.28 [Arabidopsis thaliana]'		
Seq. No.	31297	Seq. ID	OJ990429_06.9B03.C31
Gene No.	64793	Strand	+
Start	3004	End	5482
Name	OJ990429_06.9B03.C31.o2.gs	Method	GENSCAN
Start	3004	End	5459
GI	none	Score	.65
Exons	3004..3419, 4553..5459		
Seq. No.	31297	Seq. ID	OJ990429_06.9B03.C31
Gene No.	64793	Strand	+
Start	3004	End	5482
Name	OJ990429_06.9B03.C31.o2.gp	Method	AAT/GAP
Start	4861	End	5036
GI	none	Score	335
Exons	4861..5036		
Seq. No.	31297	Seq. ID	OJ990429_06.9B03.C31
Gene No.	64794	Strand	-
Start	5155	End	5687
Name	OJ990429_06.9B03.C31.o2.tm	Method	TBLASTX:Maize
Start	2999	End	3416
GI	none	Score	52
Exons	2999..3046, 3035..3049, 3115..3414, 3126..3242, 3303..3416		
Seq. No.	31297	Seq. ID	OJ990429_06.9B03.C31
Gene No.	64794	Strand	-
Start	5155	End	5687
Name	OJ990429_06.9B03.C31.o1.tm	Method	TBLASTX:Maize
Start	4558	End	4943
GI	none	Score	490
Exons	4558..4812, 4568..4942, 4569..4943		
Seq. No.	31297	Seq. ID	OJ990429_06.9B03.C31
Gene No.	64794	Strand	-
Start	5155	End	5687
Name	OJ990429_06.9B03.C31.o3.tm	Method	TBLASTX:Maize
Start	5149	End	5450
GI	none	Score	77
Exons	5149..5199, 5150..5200, 5154..5216, 5205..5450, 5244..5447		
Seq. No.	31297	Seq. ID	OJ990429_06.9B03.C31
Gene No.	64794	Strand	-
Start	5155	End	5687
Name	OJ990429_06.9B03.C31.o3.gp	Method	AAT/GAP
Start	5155	End	5687

GI	36795_1.R1084	Score	942
Exons	5155..5687		
GI Descrip.	'3935185 5.0e-12 (AC004557) F17L21.28 [Arabidopsis thaliana]'		

Seq. No.	31298	Seq. ID	OJ990429_06.9B03.C32
Gene No.	64795	Strand	-
Start	1	End	343
Name	OJ990429_06.9B03.C32.o1.gp	Method	AAT/GAP
Start	1	End	343
GI	36795_1.R1084	Score	566
Exons	1..343		
GI Descrip.	'3935185 5.0e-12 (AC004557) F17L21.28 [Arabidopsis thaliana]'		

Seq. No.	31299	Seq. ID	OJ990429_06.9B03.C36
Gene No.	64796	Strand	-
Start	2397	End	2536
Name	OJ990429_06.9B03.C36.o1.gs	Method	GENSCAN
Start	2397	End	2536
GI	none	Score	.93
Exons	2397..2536		

Seq. No.	31300	Seq. ID	OJ990429_06.9B03.C37
Gene No.	64797	Strand	+
Start	77	End	2732
Name	OJ990429_06.9B03.C37.o1.gs	Method	GENSCAN
Start	77	End	2476
GI	none	Score	.7
Exons	77..299, 639..817, 1280..2476		

Seq. No.	31300	Seq. ID	OJ990429_06.9B03.C37
Gene No.	64797	Strand	+
Start	77	End	2732
Name	OJ990429_06.9B03.C37.o1.np	Method	AAT/NAP
Start	1217	End	2732
GI	130582	Score	545
Exons	1217..2265, 2714..2732		
GI Descrip.	RETROVIRUS-RELATED POL POLYPROTEIN FROM TRANSPOSON TNT 1-94 [CONTAINS: PROTEASE ; REVERSE TRANSCRIPTASE ; ENDONUCLEASE] gi\|100342\|pir\|\|S04273 hypothetical protein - common tobacco gi\|20045\|emb\|CAA32025\| (X13777) ORF [Nicotiana tabacum]		

Seq. No.	31301	Seq. ID	OJ990429_06.9B03.C38
Gene No.	64798	Strand	+
Start	26	End	488
Name	OJ990429_06.9B03.C38.o1.gs	Method	GENSCAN
Start	26	End	488
GI	none	Score	.64
Exons	26..101, 364..488		

Seq. No.	31302	Seq. ID	OJ990429_06.9B03.C39
Gene No.	64799	Strand	+
Start	85	End	351
Name	OJ990429_06.9B03.C39.o1.np	Method	AAT/NAP
Start	85	End	351
GI	1084987	Score	93
Exons	85..351		
GI Descrip.	cryptogene protein G4 - Sauroleishmania tarentolae (strain		

LEM125)

Seq. No.	31303	Seq. ID	OJ990429_06.9B03.C41
Gene No.	64800	Strand	+
Start	1	End	2547
Name	OJ990429_06.9B03.C41.o1.np	Method	AAT/NAP
Start	1	End	2547
GI	5091513	Score	893
Exons	1..48, 612..1440, 1490..1760, 2483..2547		
GI Descrip.	(AB023482) Hypothetical protein [Oryza sativa]		

Seq. No.	31304	Seq. ID	OJ990429_06.9B03.C42
Gene No.	64801	Strand	+
Start	111	End	437
Name	OJ990429_06.9B03.C42.o1.gs	Method	GENSCAN
Start	111	End	437
GI	none	Score	.86
Exons	111..437		

Seq. No.	31305	Seq. ID	OJ990429_06.9B03.C43
Gene No.	64802	Strand	-
Start	168	End	174
Name	OJ990429_06.9B03.C43.o1.gs	Method	GENSCAN
Start	168	End	174
GI	none	Score	.63
Exons	168..174		

Seq. No.	31306	Seq. ID	OJ990429_06.9B03.C49
Gene No.	64803	Strand	+
Start	129	End	579
Name	OJ990429_06.9B03.C49.o1.gs	Method	GENSCAN
Start	129	End	572
GI	none	Score	.9
Exons	129..572		

Seq. No.	31306	Seq. ID	OJ990429_06.9B03.C49
Gene No.	64803	Strand	+
Start	129	End	579
Name	OJ990429_06.9B03.C49.o1.tm	Method	TBLASTX:Maize
Start	401	End	579
GI	none	Score	207
Exons	401..577, 406..579, 411..578		

Seq. No.	31307	Seq. ID	OJ990429_06.9B03.C50
Gene No.	64804	Strand	+
Start	231	End	355
Name	OJ990429_06.9B03.C50.o1.gs	Method	GENSCAN
Start	231	End	355
GI	none	Score	.99
Exons	231..355		

Seq. No.	31308	Seq. ID	OJ990429_06.9B03.C51
Gene No.	64805	Strand	+
Start	172	End	283
Name	OJ990429_06.9B03.C51.o1.gs	Method	GENSCAN
Start	172	End	283
GI	none	Score	.44

Exons	172..283		
Seq. No.	31309	Seq. ID	OJ990429_06.9B03.C52
Gene No.	64806	Strand	+
Start	1	End	478
Name	OJ990429_06.9B03.C52.o1.np	Method	AAT/NAP
Start	1	End	478
GI	3193291	Score	108
Exons	1..39, 323..478		
GI Descrip.	(AF069298) Similar to DNA mismatch repair protein; T14P8.6 [Arabidopsis thaliana]		
Seq. No.	31309	Seq. ID	OJ990429_06.9B03.C52
Gene No.	64807	Strand	+
Start	383	End	422
Name	OJ990429_06.9B03.C52.o1.gs	Method	GENSCAN
Start	383	End	422
GI	none	Score	.89
Exons	383..422		
Seq. No.	31310	Seq. ID	OJ990429_06.9B03.C54
Gene No.	64808	Strand	+
Start	631	End	1697
Name	OJ990429_06.9B03.C54.o1.gs	Method	GENSCAN
Start	631	End	1688
GI	none	Score	.69
Exons	631..727, 1330..1389, 1501..1688		
Seq. No.	31310	Seq. ID	OJ990429_06.9B03.C54
Gene No.	64808	Strand	+
Start	631	End	1697
Name	OJ990429_06.9B03.C54.o1.ts	Method	TBLASTX:Soybean
Start	1326	End	1646
GI	none	Score	77
Exons	1326..1388, 1328..1384, 1415..1630, 1425..1646, 1448..1639		
Seq. No.	31310	Seq. ID	OJ990429_06.9B03.C54
Gene No.	64808	Strand	+
Start	631	End	1697
Name	OJ990429_06.9B03.C54.o1.tm	Method	TBLASTX:Maize
Start	1329	End	1598
GI	none	Score	326
Exons	1329..1580, 1329..1598, 1334..1591		
Seq. No.	31310	Seq. ID	OJ990429_06.9B03.C54
Gene No.	64808	Strand	+
Start	631	End	1697
Name	OJ990429_06.9B03.C54.o1.tc	Method	TBLASTX:Cress
Start	1331	End	1697
GI	none	Score	310
Exons	1331..1372, 1338..1697, 1338..1676, 1436..1696		
Seq. No.	31311	Seq. ID	OJ990429_06.9B03.C55
Gene No.	64809	Strand	+
Start	1743	End	1923
Name	OJ990429_06.9B03.C55.o1.gs	Method	GENSCAN
Start	1743	End	1923

GI	none	Score	.93
Exons	1743..1923		
Seq. No.	31311	Seq. ID	OJ990429_06.9B03.C55
Gene No.	64810	Strand	+
Start	3641	End	5680
Name	OJ990429_06.9B03.C55.o2.gs	Method	GENSCAN
Start	3641	End	5680
GI	none	Score	.59
Exons	3641..3710, 5562..5680		
Seq. No.	31311	Seq. ID	OJ990429_06.9B03.C55
Gene No.	64811	Strand	-
Start	1347	End	4231
Name	OJ990429_06.9B03.C55.o1.gp	Method	AAT/GAP
Start	1347	End	4231
GI	none	Score	1522
Exons	1347..1895, 3636..3725, 4051..4231		
Seq. No.	31311	Seq. ID	OJ990429_06.9B03.C55
Gene No.	64811	Strand	-
Start	1347	End	4231
Name	OJ990429_06.9B03.C55.o1.np	Method	AAT/NAP
Start	1766	End	4120
GI	6714455	Score	249
Exons	1766..1895, 3636..3726, 4051..4120		
GI Descrip.	(AC011620) unknown protein [Arabidopsis thaliana]		
Seq. No.	31311	Seq. ID	OJ990429_06.9B03.C55
Gene No.	64812	Strand	-
Start	6370	End	6635
Name	OJ990429_06.9B03.C55.o1.tm	Method	TBLASTX:Maize
Start	1	End	592
GI	none	Score	147
Exons	1..90, 2..109, 2..154, 3..155, 90..185, 92..187, 103..195, 103..195, 466..537, 479..538, 536..592		
Seq. No.	31311	Seq. ID	OJ990429_06.9B03.C55
Gene No.	64812	Strand	-
Start	6370	End	6635
Name	OJ990429_06.9B03.C55.o2.tm	Method	TBLASTX:Maize
Start	1757	End	4127
GI	none	Score	193
Exons	1757..1903, 1758..1898, 3626..3730, 3634..3726, 3635..3727, 4049..4126, 4050..4127		
Seq. No.	31311	Seq. ID	OJ990429_06.9B03.C55
Gene No.	64812	Strand	-
Start	6370	End	6635
Name	OJ990429_06.9B03.C55.o3.gs	Method	GENSCAN
Start	6370	End	6635
GI	none	Score	.91
Exons	6370..6549, 6555..6635		
Seq. No.	31312	Seq. ID	OJ990429_06.9B03.C56
Gene No.	64813	Strand	+
Start	399	End	7045

Name	OJ990429_06.9B03.C56.o1.np	Method	AAT/NAP
Start	399	End	5917
GI	3193291	Score	1624
Exons	399..659, 709..1043, 1235..1390, 1451..2201, 3091..3278, 3886..3965, 4101..4174, 4349..4414, 5114..5217, 5298..5479, 5762..5917		
GI Descrip.	(AF069298) Similar to DNA mismatch repair protein; T14P8.6 [Arabidopsis thaliana]		

Seq. No.	31312	Seq. ID	OJ990429_06.9B03.C56
Gene No.	64813	Strand	+
Start	399	End	7045
Name	OJ990429_06.9B03.C56.o1.gs	Method	GENSCAN
Start	413	End	7045
GI	none	Score	.86
Exons	413..1096, 1235..2461, 2840..3090, 3178..3304, 4101..4174, 4349..4414, 5114..5217, 5298..5479, 5762..5861, 6617..6689, 6898..7045		

Seq. No.	31312	Seq. ID	OJ990429_06.9B03.C56
Gene No.	64814	Strand	+
Start	9206	End	11774
Name	OJ990429_06.9B03.C56.o3.tm	Method	TBLASTX:Maize
Start	424	End	616
GI	none	Score	264
Exons	424..615, 425..616		

Seq. No.	31312	Seq. ID	OJ990429_06.9B03.C56
Gene No.	64814	Strand	+
Start	9206	End	11774
Name	OJ990429_06.9B03.C56.o1.tm	Method	TBLASTX:Maize
Start	960	End	1571
GI	none	Score	106
Exons	960..1046, 965..1051, 966..1049, 979..1077, 1220..1552, 1221..1571		

Seq. No.	31312	Seq. ID	OJ990429_06.9B03.C56
Gene No.	64814	Strand	+
Start	9206	End	11774
Name	OJ990429_06.9B03.C56.o4.tm	Method	TBLASTX:Maize
Start	3014	End	3965
GI	none	Score	73
Exons	3014..3091, 3016..3093, 3024..3095, 3176..3310, 3176..3307, 3177..3311, 3177..3311, 3884..3958, 3891..3965, 3896..3964		

Seq. No.	31312	Seq. ID	OJ990429_06.9B03.C56
Gene No.	64814	Strand	+
Start	9206	End	11774
Name	OJ990429_06.9B03.C56.o1.ts	Method	TBLASTX:Soybean
Start	5145	End	5851
GI	none	Score	63
Exons	5145..5222, 5174..5209, 5297..5338, 5312..5482, 5327..5482, 5759..5851, 5782..5841		

Seq. No.	31312	Seq. ID	OJ990429_06.9B03.C56
Gene No.	64814	Strand	+
Start	9206	End	11774

Name	OJ990429_06.9B03.C56.o2.tm	Method	TBLASTX:Maize
Start	5294	End	5871
GI	none	Score	296
Exons	5294..5482, 5294..5482, 5759..5860, 5759..5860, 5761..5862, 5761..5871		

Seq. No.	31312	Seq. ID	OJ990429_06.9B03.C56
Gene No.	64814	Strand	+
Start	9206	End	11774
Name	OJ990429_06.9B03.C56.o1.gp	Method	AAT/GAP
Start	9119	End	9377
GI	uC-osflm202113c04b1	Score	440
Exons	9119..9377		
GI Descrip.	'4521193/dbj\|AB013450.1\|AB013450 3.0e-40 Oryza sativa DNA, similar sequence to Pib gene'		

Seq. No.	31312	Seq. ID	OJ990429_06.9B03.C56
Gene No.	64814	Strand	+
Start	9206	End	11774
Name	OJ990429_06.9B03.C56.o2.gs	Method	GENSCAN
Start	9206	End	11774
GI	none	Score	.83
Exons	9206..9349, 9482..9673, 10111..10232, 10477..10537, 11112..11252, 11672..11774		

Seq. No.	31312	Seq. ID	OJ990429_06.9B03.C56
Gene No.	64814	Strand	+
Start	9206	End	11774
Name	OJ990429_06.9B03.C56.o2.ts	Method	TBLASTX:Soybean
Start	9596	End	11266
GI	none	Score	74
Exons	9596..9676, 10084..10233, 10108..10233, 10109..10249, 10110..10241, 10475..10561, 11112..11255, 11126..11266, 11128..11244		

Seq. No.	31313	Seq. ID	OJ990429_06.9B03.C57
Gene No.	64815	Strand	-
Start	250	End	622
Name	OJ990429_06.9B03.C57.o1.gp	Method	AAT/GAP
Start	250	End	622
GI	3763160	Score	675
Exons	250..622		

Seq. No.	31314	Seq. ID	OJ990429_06.9B03.C58
Gene No.	64816	Strand	+
Start	95	End	631
Name	OJ990429_06.9B03.C58.o1.gs	Method	GENSCAN
Start	95	End	631
GI	none	Score	.43
Exons	95..112, 257..631		

Seq. No.	31314	Seq. ID	OJ990429_06.9B03.C58
Gene No.	64817	Strand	-
Start	373	End	600
Name	OJ990429_06.9B03.C58.o1.gp	Method	AAT/GAP
Start	373	End	600
GI	5004924	Score	357

Exons	373..600		
Seq. No.	31315	Seq. ID	OJ990429_06.9B03.C60
Gene No.	64818	Strand	+
Start	1	End	225
Name	OJ990429_06.9B03.C60.o1.np	Method	AAT/NAP
Start	1	End	225
GI	3063450	Score	62
Exons	1..225		
GI Descrip.	(AC003981) F22O13.12 [Arabidopsis thaliana]		
Seq. No.	31316	Seq. ID	OJ990429_06.9B03.C62
Gene No.	64819	Strand	-
Start	966	End	1877
Name	OJ990429_06.9B03.C62.o1.gs	Method	GENSCAN
Start	966	End	1872
GI	none	Score	.55
Exons	966..1114, 1473..1625, 1643..1872		
Seq. No.	31316	Seq. ID	OJ990429_06.9B03.C62
Gene No.	64819	Strand	-
Start	966	End	1877
Name	OJ990429_06.9B03.C62.o1.tm	Method	TBLASTX:Maize
Start	1548	End	1877
GI	none	Score	114
Exons	1548..1664, 1566..1676, 1570..1677, 1667..1843, 1668..1877		
Seq. No.	31317	Seq. ID	OJ990429_06.9B03.C63
Gene No.	64820	Strand	+
Start	490	End	915
Name	OJ990429_06.9B03.C63.o1.gp	Method	AAT/GAP
Start	490	End	915
GI	LIB3479-006-Q6-K1-B11	Score	632
Exons	490..915		
GI Descrip.	'5734616/dbj\|AP000391.1\|AP000391 1.0e-110 Oryza sativa genomic DNA, chromosome 6, clone:P0538C01'		
Seq. No.	31317	Seq. ID	OJ990429_06.9B03.C63
Gene No.	64821	Strand	-
Start	1	End	709
Name	OJ990429_06.9B03.C63.o1.np	Method	AAT/NAP
Start	1	End	709
GI	6539570	Score	164
Exons	1..32, 292..358, 506..709		
GI Descrip.	(AP000836) hypothetical protein [Oryza sativa]		
Seq. No.	31318	Seq. ID	OJ990429_06.9B03.C64
Gene No.	64822	Strand	+
Start	605	End	672
Name	OJ990429_06.9B03.C64.o1.gs	Method	GENSCAN
Start	605	End	672
GI	none	Score	.84
Exons	605..672		
Seq. No.	31318	Seq. ID	OJ990429_06.9B03.C64
Gene No.	64823	Strand	-
Start	1252	End	2772

Name	OJ990429_06.9B03.C64.o2.gs	Method	GENSCAN
Start	1252	End	2772
GI	none	Score	.99
Exons	1252..1376, 2511..2772		

Seq. No.	31319	Seq. ID	OJ990429_06.9B03.C65
Gene No.	64824	Strand	+
Start	2228	End	2308
Name	OJ990429_06.9B03.C65.o1.gp	Method	AAT/GAP
Start	2228	End	2308
GI	38012_1.R1084	Score	103
Exons	2228..2308		
GI Descrip.	'4097947/gb\|U72255\|OSU72255 2.0e-23 Oryza sativa beta-1,3-glucanase precursor (Gns9) gene, complete cds'		

Seq. No.	31319	Seq. ID	OJ990429_06.9B03.C65
Gene No.	64825	Strand	+
Start	5105	End	5338
Name	OJ990429_06.9B03.C65.o1.tm	Method	TBLASTX:Maize
Start	2353	End	2695
GI	none	Score	422
Exons	2353..2490, 2355..2675, 2370..2516, 2372..2695		

Seq. No.	31319	Seq. ID	OJ990429_06.9B03.C65
Gene No.	64825	Strand	+
Start	5105	End	5338
Name	OJ990429_06.9B03.C65.o3.tm	Method	TBLASTX:Maize
Start	3169	End	3472
GI	none	Score	73
Exons	3169..3216, 3169..3288, 3248..3307, 3257..3307, 3296..3382, 3309..3383, 3383..3463, 3389..3472		

Seq. No.	31319	Seq. ID	OJ990429_06.9B03.C65
Gene No.	64825	Strand	+
Start	5105	End	5338
Name	OJ990429_06.9B03.C65.o4.gp	Method	AAT/GAP
Start	5105	End	5338
GI	5004924	Score	364
Exons	5105..5338		

Seq. No.	31319	Seq. ID	OJ990429_06.9B03.C65
Gene No.	64826	Strand	
Start	7230	End	7555
Name	OJ990429_06.9B03.C65.o2.tm	Method	TBLASTX:Maize
Start	7230	End	7555
GI	none	Score	115
Exons	7230..7349, 7248..7346, 7250..7348, 7268..7354, 7285..7353, 7355..7555, 7357..7554		

Seq. No.	31320	Seq. ID	OJ990429_06.9B03.C66
Gene No.	64827	Strand	
Start	1	End	180
Name	OJ990429_06.9B03.C66.o1.tm	Method	TBLASTX:Maize
Start	1	End	180
GI	none	Score	216
Exons	1..180, 1..168, 3..179		

Seq. No.	31321	Seq. ID	OJ990429_06.9B03.C69
Gene No.	64828	Strand	+
Start	336	End	903
Name	OJ990429_06.9B03.C69.o1.gs	Method	GENSCAN
Start	336	End	903
GI	none	Score	.56
Exons	336..513, 758..903		

Seq. No.	31322	Seq. ID	OJ990429_06.9B03.C70
Gene No.	64829	Strand	+
Start	159	End	933
Name	OJ990429_06.9B03.C70.o1.tc	Method	TBLASTX:Cress
Start	3	End	221
GI	none	Score	188
Exons	3..221, 9..200, 11..220		

Seq. No.	31322	Seq. ID	OJ990429_06.9B03.C70
Gene No.	64829	Strand	+
Start	159	End	933
Name	OJ990429_06.9B03.C70.o1.tm	Method	TBLASTX:Maize
Start	3	End	933
GI	none	Score	239
Exons	3..212, 3..212, 569..931, 596..931, 597..932, 598..933		

Seq. No.	31322	Seq. ID	OJ990429_06.9B03.C70
Gene No.	64829	Strand	+
Start	159	End	933
Name	OJ990429_06.9B03.C70.o1.ts	Method	TBLASTX:Soybean
Start	3	End	170
GI	none	Score	183
Exons	3..170, 3..146, 11..163		

Seq. No.	31322	Seq. ID	OJ990429_06.9B03.C70
Gene No.	64829	Strand	+
Start	159	End	933
Name	OJ990429_06.9B03.C70.o1.gs	Method	GENSCAN
Start	159	End	933
GI	none	Score	.42
Exons	159..212, 599..933		

Seq. No.	31323	Seq. ID	OJ990429_06.9B03.C71
Gene No.	64830	Strand	-
Start	193	End	225
Name	OJ990429_06.9B03.C71.o1.gs	Method	GENSCAN
Start	193	End	225
GI	none	Score	.79
Exons	193..225		

Seq. No.	31324	Seq. ID	OJ990429_06.9B03.C72
Gene No.	64831	Strand	+
Start	231	End	499
Name	OJ990429_06.9B03.C72.o1.tm	Method	TBLASTX:Maize
Start	215	End	482
GI	none	Score	93
Exons	215..361, 217..336, 230..460, 231..482, 426..473		

Seq. No.	31324	Seq. ID	OJ990429_06.9B03.C72

Gene No.	64831	Strand	+
Start	231	End	499
Name	OJ990429_06.9B03.C72.o1.np	Method	AAT/NAP
Start	231	End	499
GI	5080788	Score	102
Exons	231..499		
GI Descrip.	(AC007576) Very similar to adventitious rooting related oxygenase [Arabidopsis thaliana]		

Seq. No.	31324	Seq. ID	OJ990429_06.9B03.C72
Gene No.	64831	Strand	+
Start	231	End	499
Name	OJ990429_06.9B03.C72.o1.gs	Method	GENSCAN
Start	354	End	473
GI	none	Score	.95
Exons	354..473		

Seq. No.	31325	Seq. ID	OJ990429_06.9B03.C74
Gene No.	64832	Strand	+
Start	1	End	386
Name	OJ990429_06.9B03.C74.o1.gp	Method	AAT/GAP
Start	1	End	83
GI	18112_1.R1084	Score	143
Exons	1..83		
GI Descrip.	'464621/sp\|P34091\|RL6_MESCR 6.0e-65 60S RIBOSOMAL PROTEIN L6 (YL16-LIKE) >gi_280374_pir__S28586 ribosomal protein ML16 - common ice plant >gi_19539_emb_CAA49175_ (X69378) ribosomal protein YL16 [Mesembryanthemum crystallinum]'		

Seq. No.	31325	Seq. ID	OJ990429_06.9B03.C74
Gene No.	64832	Strand	+
Start	1	End	386
Name	OJ990429_06.9B03.C74.o1.np	Method	AAT/NAP
Start	1	End	386
GI	6012952	Score	84
Exons	1..87, 327..386		
GI Descrip.	(AJ011715) 60S ribosomal protein L6 (YL 16 like) [Cyanophora paradoxa]		

Seq. No.	31325	Seq. ID	OJ990429_06.9B03.C74
Gene No.	64832	Strand	+
Start	1	End	386
Name	OJ990429_06.9B03.C74.o1.gs	Method	GENSCAN
Start	26	End	83
GI	none	Score	1
Exons	26..83		

Seq. No.	31326	Seq. ID	OJ990429_06.9B03.C78
Gene No.	64833	Strand	-
Start	1	End	533
Name	OJ990429_06.9B03.C78.o1.gp	Method	AAT/GAP
Start	1	End	200
GI	18112_1.R1084	Score	329
Exons	1..200		
GI Descrip.	'464621/sp\|P34091\|RL6_MESCR 6.0e-65 60S RIBOSOMAL PROTEIN L6 (YL16-LIKE) >gi_280374_pir__S28586 ribosomal protein ML16 - common ice plant >gi_19539_emb_CAA49175_ (X69378) ribosomal		

protein YL16 [Mesembryanthemum crystallinum]'

Seq. No.	31326	Seq. ID	OJ990429_06.9B03.C78
Gene No.	64833	Strand	-
Start	1	End	533
Name	OJ990429_06.9B03.C78.o1.np	Method	AAT/NAP
Start	1	End	533
GI	464621	Score	202
Exons	1..201, 517..533		
GI Descrip.	60S RIBOSOMAL PROTEIN L6 (YL16-LIKE) gi\|280374\|pir\|\|S28586 ribosomal protein ML16 - common ice plant gi\|19539\|emb\|CAA49175\| (X69378) ribosomal protein YL16 [Mesembryanthemum crystallinum]		

Seq. No.	31326	Seq. ID	OJ990429_06.9B03.C78
Gene No.	64833	Strand	-
Start	1	End	533
Name	OJ990429_06.9B03.C78.o1.ts	Method	TBLASTX:Soybean
Start	7	End	201
GI	none	Score	65
Exons	7..201, 18..194, 59..199		

Seq. No.	31326	Seq. ID	OJ990429_06.9B03.C78
Gene No.	64833	Strand	-
Start	1	End	533
Name	OJ990429_06.9B03.C78.o1.tm	Method	TBLASTX:Maize
Start	11	End	202
GI	none	Score	172
Exons	11..193, 16..201, 18..194, 59..202		

Seq. No.	31326	Seq. ID	OJ990429_06.9B03.C78
Gene No.	64833	Strand	-
Start	1	End	533
Name	OJ990429_06.9B03.C78.o1.gs	Method	GENSCAN
Start	16	End	197
GI	none	Score	.93
Exons	16..197		

Seq. No.	31326	Seq. ID	OJ990429_06.9B03.C78
Gene No.	64833	Strand	-
Start	1	End	533
Name	OJ990429_06.9B03.C78.o1.tc	Method	TBLASTX:Cress
Start	16	End	201
GI	none	Score	85
Exons	16..201, 72..197, 80..199		

Seq. No.	31327	Seq. ID	OJ990429_06.9B03.C80
Gene No.	64834	Strand	-
Start	1	End	1289
Name	OJ990429_06.9B03.C80.o1.np	Method	AAT/NAP
Start	1	End	1289
GI	6815062	Score	323
Exons	1..573, 1260..1289		
GI Descrip.	(AP001080) Similar to Arabidopsis thaliana chromosome II BAC F16P2 genomic sequence;mudrA like protein (AC004561) [Oryza sativa]		

Seq. No.	31327	Seq. ID	OJ990429_06.9B03.C80

Gene No.	64834	Strand	-
Start	1	End	1289
Name	OJ990429_06.9B03.C80.o1.tm	Method	TBLASTX:Maize
Start	408	End	893
GI	none	Score	197
Exons	408..587, 409..588, 412..588, 757..888, 777..893	416..631, 689..751, 690..752,	

Seq. No.	31328	Seq. ID	OJ990429_06.9B03.C81
Gene No.	64835	Strand	-
Start	723	End	1618
Name	OJ990429_06.9B03.C81.o1.np	Method	AAT/NAP
Start	705	End	1579
GI	3935185	Score	353
Exons	705..832, 860..1579		
GI Descrip.	(AC004557) F17L21.28 [Arabidopsis thaliana]		

Seq. No.	31328	Seq. ID	OJ990429_06.9B03.C81
Gene No.	64835	Strand	-
Start	723	End	1618
Name	OJ990429_06.9B03.C81.o1.gs	Method	GENSCAN
Start	723	End	1577
GI	none	Score	.51
Exons	723..1577		

Seq. No.	31328	Seq. ID	OJ990429_06.9B03.C81
Gene No.	64835	Strand	-
Start	723	End	1618
Name	OJ990429_06.9B03.C81.o2.tm	Method	TBLASTX:Maize
Start	738	End	1020
GI	none	Score	104
Exons	738..935, 738..935, 742..954, 937..1020, 939..1019, 940..1020		

Seq. No.	31328	Seq. ID	OJ990429_06.9B03.C81
Gene No.	64835	Strand	-
Start	723	End	1618
Name	OJ990429_06.9B03.C81.o1.gp	Method	AAT/GAP
Start	1228	End	1556
GI	700222	Score	650
Exons	1228..1556		
GI Descrip.	3935185 5.0e-12 (AC004557) F17L21.28 [Arabidopsis thaliana]		

Seq. No.	31328	Seq. ID	OJ990429_06.9B03.C81
Gene No.	64835	Strand	-
Start	723	End	1618
Name	OJ990429_06.9B03.C81.o1.tm	Method	TBLASTX:Maize
Start	1260	End	1618
GI	none	Score	270
Exons	1260..1613, 1266..1610, 1267..1617, 1291..1617, 1352..1618		

Seq. No.	31329	Seq. ID	OJ990429_06.9B03.C82
Gene No.	64836	Strand	-
Start	114	End	122
Name	OJ990429_06.9B03.C82.o1.gs	Method	GENSCAN
Start	114	End	122
GI	none	Score	.52
Exons	114..122		

Seq. No.	31330	Seq. ID	OJ990429_06.9B03.C83
Gene No.	64837	Strand	-
Start	1	End	201
Name	OJ990429_06.9B03.C83.o1.np	Method	AAT/NAP
Start	1	End	201
GI	4505913	Score	65
Exons	1..201		
GI Descrip.	postmeiotic segregation increased (S. cerevisiae) 2 gi\|1709685\|sp\|P54278\|PMS2_HUMAN PMS1 PROTEIN HOMOLOG 2 (DNA MISMATCH REPAIR PROTEIN PMS2) gi\|1082623\|pir\|\|S47598 mutL protein homolog - human gi\|535515 (U13696) homolog of yeast mutL gene [Homo sapiens] gi\|746341\|prf\|\|2017356B PMS2 gene [Homo sapiens]		

Seq. No.	31331	Seq. ID	OJ990429_06.9B03.C87
Gene No.	64838	Strand	+
Start	1	End	98
Name	OJ990429_06.9B03.C87.o1.gp	Method	AAT/GAP
Start	1	End	98
GI	none	Score	183
Exons	1..98		

Seq. No.	31331	Seq. ID	OJ990429_06.9B03.C87
Gene No.	64839	Strand	
Start	13	End	268
Name	OJ990429_06.9B03.C87.o1.tm	Method	TBLASTX:Maize
Start	13	End	268
GI	none	Score	100
Exons	13..147, 27..179, 32..139, 34..150, 148..198, 154..210, 167..211, 190..267, 215..268		

Seq. No.	31332	Seq. ID	OJ990429_03.9B02.C3
Gene No.	64840	Strand	+
Start	1	End	891
Name	OJ990429_03.9B02.C3.o1.np	Method	AAT/NAP
Start	1	End	891
GI	5852084	Score	85
Exons	1..88, 808..891		
GI Descrip.	(AL117264) zwh0007.1 [Oryza sativa]		

Seq. No.	31333	Seq. ID	OJ990429_03.9B02.C4
Gene No.	64841	Strand	+
Start	50	End	3306
Name	OJ990429_03.9B02.C4.o1.gs	Method	GENSCAN
Start	50	End	3306
GI	none	Score	.4
Exons	50..69, 171..356, 2129..2135, 3058..3306		

Seq. No.	31333	Seq. ID	OJ990429_03.9B02.C4
Gene No.	64842	Strand	+
Start	6712	End	8305
Name	OJ990429_03.9B02.C4.o1.gp	Method	AAT/GAP
Start	6712	End	8305
GI	26025_1.R1084	Score	913
Exons	6712..6999, 8117..8305		
GI Descrip.	'3860333/emb\|CAA10134\| 1.0e-36 (AJ012693) basic blue copper		

protein [Cicer arietinum]'

Seq. No.	31333	Seq. ID	OJ990429_03.9B02.C4
Gene No.	64843	Strand	+
Start	14058	End	14559
Name	OJ990429_03.9B02.C4.o3.np	Method	AAT/NAP
Start	14058	End	14559
GI	3395756	Score	270
Exons	14058..14253, 14363..14559		
GI Descrip.	(U76297) plantacyanin [Arabidopsis thaliana] gi\|3461812\|gb\|AAC32906.1\| (AC004138) putative basic blue protein (plantacyanin) [Arabidopsis thaliana]		

Seq. No.	31333	Seq. ID	OJ990429_03.9B02.C4
Gene No.	64843	Strand	+
Start	14058	End	14559
Name	OJ990429_03.9B02.C4.o4.np	Method	AAT/NAP
Start	14058	End	14559
GI	3860333	Score	261
Exons	14058..14081, 14109..14253, 14363..14559		
GI Descrip.	(AJ012693) basic blue copper protein [Cicer arietinum]		

Seq. No.	31333	Seq. ID	OJ990429_03.9B02.C4
Gene No.	64844	Strand	+
Start	16793	End	18863
Name	OJ990429_03.9B02.C4.o3.gp	Method	AAT/GAP
Start	16688	End	18652
GI	4217_1.R1084	Score	1744
Exons	16688..16905, 17019..17094, 17181..17353, 18208..18652		
GI Descrip.	'4758714/ref\|NP_004519.1\|pMGST3\| 3.0e-25 microsomal glutathione S-transferase 3 >gi_2583081 (AF026977) microsomal glutathione S-transferase 3 [Homo sapiens]'		

Seq. No.	31333	Seq. ID	OJ990429_03.9B02.C4
Gene No.	64844	Strand	+
Start	16793	End	18863
Name	OJ990429_03.9B02.C4.o5.np	Method	AAT/NAP
Start	16790	End	17426
GI	6686399	Score	395
Exons	16790..16905, 17019..17094, 17181..17426		
GI Descrip.	(AC007234) F1E22.17 [Arabidopsis thaliana]		

Seq. No.	31333	Seq. ID	OJ990429_03.9B02.C4
Gene No.	64844	Strand	+
Start	16793	End	18863
Name	OJ990429_03.9B02.C4.o6.gs	Method	GENSCAN
Start	16793	End	18863
GI	none	Score	.97
Exons	16793..16905, 17019..17170, 17181..17353, 18705..18863		

Seq. No.	31333	Seq. ID	OJ990429_03.9B02.C4
Gene No.	64845	Strand	-
Start	3587	End	5526
Name	OJ990429_03.9B02.C4.o2.gs	Method	GENSCAN
Start	3587	End	5526
GI	none	Score	.56
Exons	3587..3695, 3994..4142, 4147..4198, 4407..4601, 5300..5526		

Seq. No.	31333	Seq. ID	OJ990429_03.9B02.C4
Gene No.	64846	Strand	-
Start	8438	End	15672
Name	OJ990429_03.9B02.C4.o2.gp	Method	AAT/GAP
Start	8438	End	8559
GI	none	Score	177
Exons	8438..8559		

Seq. No.	31333	Seq. ID	OJ990429_03.9B02.C4
Gene No.	64846	Strand	-
Start	8438	End	15672
Name	OJ990429_03.9B02.C4.o1.np	Method	AAT/NAP
Start	8454	End	13426
GI	5911745	Score	442
Exons	8454..8483, 10846..11615, 11694..11996, 13374..13426		
GI Descrip.	(AJ249449) NBS-LRR protein [Solanum tuberosum] gi\|6164969\|gb\|AAF04603.1\|AF195939_1 (AF195939) disease resistance protein Gpa2 [Solanum tuberosum]		

Seq. No.	31333	Seq. ID	OJ990429_03.9B02.C4
Gene No.	64846	Strand	-
Start	8438	End	15672
Name	OJ990429_03.9B02.C4.o4.gs	Method	GENSCAN
Start	9575	End	12454
GI	none	Score	.99
Exons	9575..12454		

Seq. No.	31333	Seq. ID	OJ990429_03.9B02.C4
Gene No.	64846	Strand	-
Start	8438	End	15672
Name	OJ990429_03.9B02.C4.o5.gs	Method	GENSCAN
Start	13280	End	15672
GI	none	Score	.62
Exons	13280..13703, 13917..14167, 14374..14562, 15649..15672		

Seq. No.	31333	Seq. ID	OJ990429_03.9B02.C4
Gene No.	64847	Strand	-
Start	16734	End	25238
Name	OJ990429_03.9B02.C4.o1.ts	Method	TBLASTX:Soybean
Start	6794	End	14565
GI	none	Score	52
Exons	6794..6844, 6805..6831, 6888..6998, 6899..6997, 8112..8315, 8119..8316, 14056..14082, 14056..14082, 14126..14248, 14127..14252, 14343..14564, 14344..14565		

Seq. No.	31333	Seq. ID	OJ990429_03.9B02.C4
Gene No.	64847	Strand	-
Start	16734	End	25238
Name	OJ990429_03.9B02.C4.o3.tm	Method	TBLASTX:Maize
Start	6811	End	14562
GI	none	Score	174
Exons	6811..6834, 6813..6914, 6866..6997, 6888..6998, 8109..8312, 8110..8316, 14059..14079, 14153..14245, 14226..14252, 14328..14561, 14344..14562		

Seq. No.	31333	Seq. ID	OJ990429_03.9B02.C4

Gene No.	64847	Strand	-
Start	16734	End	25238
Name	OJ990429_03.9B02.C4.o2.tc	Method	TBLASTX:Cress
Start	6894	End	14576
GI	none	Score	118
Exons	6894..6998, 6908..6994, 8109..8318, 8110..8319, 14059..14082, 14159..14251, 14344..14562, 14352..14576		

Seq. No.	31333	Seq. ID	OJ990429_03.9B02.C4
Gene No.	64847	Strand	-
Start	16734	End	25238
Name	OJ990429_03.9B02.C4.o3.tc	Method	TBLASTX:Cress
Start	9638	End	11901
GI	none	Score	35
Exons	9638..9913, 10436..10612, 11060..11218, 11315..11518, 11504..11638, 11714..11758, 11857..11901		

Seq. No.	31333	Seq. ID	OJ990429_03.9B02.C4
Gene No.	64847	Strand	-
Start	16734	End	25238
Name	OJ990429_03.9B02.C4.o2.ts	Method	TBLASTX:Soybean
Start	10376	End	11557
GI	none	Score	75
Exons	10376..10537, 10973..11035, 11039..11185, 11222..11362, 11453..11557		

Seq. No.	31333	Seq. ID	OJ990429_03.9B02.C4
Gene No.	64847	Strand	-
Start	16734	End	25238
Name	OJ990429_03.9B02.C4.o6.np	Method	AAT/NAP
Start	16734	End	25238
GI	6453893	Score	372
Exons	16734..16871, 18766..18811, 19836..19934, 20013..20111, 20198..20291, 22830..23054, 23252..23369, 23941..24018, 24109..24211, 25139..25238		
GI Descrip.	(AC011663) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	31333	Seq. ID	OJ990429_03.9B02.C4
Gene No.	64847	Strand	-
Start	16734	End	25238
Name	OJ990429_03.9B02.C4.o1.tw	Method	TBLASTX:Wheat
Start	16767	End	17288
GI	none	Score	173
Exons	16767..16820, 16786..16908, 16787..16906, 16937..17089, 17016..17090, 17017..17094, 17020..17094, 17172..17285, 17174..17254, 17178..17288		

Seq. No.	31333	Seq. ID	OJ990429_03.9B02.C4
Gene No.	64847	Strand	-
Start	16734	End	25238
Name	OJ990429_03.9B02.C4.o1.tm	Method	TBLASTX:Maize
Start	16790	End	18304
GI	none	Score	177
Exons	16790..16906, 16790..16906, 16792..16908, 16890..16925, 17016..17093, 17017..17094, 17018..17092, 17172..17366, 17174..17353, 17175..17354, 18206..18298, 18208..18282, 18209..18304		

Seq. No.	31333	Seq. ID	OJ990429_03.9B02.C4
Gene No.	64847	Strand	-
Start	16734	End	25238
Name	OJ990429_03.9B02.C4.o1.tc	Method	TBLASTX:Cress
Start	16796	End	18277
GI	none	Score	120
Exons	16796..16906, 16819..16965, 17007..17090, 17017..17094, 17157..17327, 17172..17366, 17297..17374, 18218..18277		

Seq. No.	31333	Seq. ID	OJ990429_03.9B02.C4
Gene No.	64847	Strand	-
Start	16734	End	25238
Name	OJ990429_03.9B02.C4.o7.gs	Method	GENSCAN
Start	19529	End	24353
GI	none	Score	.76
Exons	19529..19934, 20013..20111, 20198..20314, 22693..23054, 23252..23353, 23850..24353		

Seq. No.	31333	Seq. ID	OJ990429_03.9B02.C4
Gene No.	64847	Strand	-
Start	16734	End	25238
Name	OJ990429_03.9B02.C4.o4.gp	Method	AAT/GAP
Start	19779	End	22848
GI	none	Score	988
Exons	19779..19934, 20013..20111, 20198..20314, 22693..22848		

Seq. No.	31333	Seq. ID	OJ990429_03.9B02.C4
Gene No.	64847	Strand	-
Start	16734	End	25238
Name	OJ990429_03.9B02.C4.o2.tm	Method	TBLASTX:Maize
Start	19850	End	22910
GI	none	Score	140
Exons	19850..19936, 19871..19933, 19907..19933, 20007..20120, 20012..20119, 20045..20119, 20084..20119, 20189..20308, 20195..20317, 20197..20319, 20197..20316, 20200..20229, 20203..20244, 20248..20313, 22698..22769, 22702..22758, 22791..22910, 22814..22900		

Seq. No.	31333	Seq. ID	OJ990429_03.9B02.C4
Gene No.	64847	Strand	-
Start	16734	End	25238
Name	OJ990429_03.9B02.C4.o5.gp	Method	AAT/GAP
Start	23941	End	24379
GI	uC-osf1cyp058h07b1	Score	830
Exons	23941..24379		
GI Descrip.	'5441872/dbj\|AP000366.1\|AP000366 2.0e-21 Oryza sativa genomic DNA, chromosome 2, clone:P0437H03 (contig a)'		

Seq. No.	31334	Seq. ID	OJ990429_03.9B02.C5
Gene No.	64848	Strand	+
Start	1	End	83
Name	OJ990429_03.9B02.C5.o1.gp	Method	AAT/GAP
Start	1	End	83
GI	none	Score	166
Exons	1..83		

Seq. No.	31334	Seq. ID	OJ990429_03.9B02.C5
Gene No.	64849	Strand	+
Start	62	End	922
Name	OJ990429_03.9B02.C5.o1.gs	Method	GENSCAN
Start	62	End	922
GI	none	Score	.41
Exons	62..922		

Seq. No.	31334	Seq. ID	OJ990429_03.9B02.C5
Gene No.	64850	Strand	-
Start	1927	End	6493
Name	OJ990429_03.9B02.C5.o2.gs	Method	GENSCAN
Start	1927	End	6493
GI	none	Score	.71
Exons	1927..2035, 3678..3775, 5189..5344, 6437..6493		

Seq. No.	31334	Seq. ID	OJ990429_03.9B02.C5
Gene No.	64851	Strand	-
Start	9086	End	9509
Name	OJ990429_03.9B02.C5.o3.tm	Method	TBLASTX:Maize
Start	58	End	166
GI	none	Score	113
Exons	58..165, 62..166		

Seq. No.	31334	Seq. ID	OJ990429_03.9B02.C5
Gene No.	64851	Strand	-
Start	9086	End	9509
Name	OJ990429_03.9B02.C5.o1.tm	Method	TBLASTX:Maize
Start	166	End	469
GI	none	Score	292
Exons	166..339, 167..403, 383..469, 385..468		

Seq. No.	31334	Seq. ID	OJ990429_03.9B02.C5
Gene No.	64851	Strand	-
Start	9086	End	9509
Name	OJ990429_03.9B02.C5.o2.tm	Method	TBLASTX:Maize
Start	530	End	984
GI	none	Score	72
Exons	530..628, 533..628, 614..823, 614..820, 682..825, 814..951, 817..852, 884..913, 933..968, 939..980, 952..984		

Seq. No.	31334	Seq. ID	OJ990429_03.9B02.C5
Gene No.	64851	Strand	-
Start	9086	End	9509
Name	OJ990429_03.9B02.C5.o4.gs	Method	GENSCAN
Start	9086	End	9509
GI	none	Score	.92
Exons	9086..9255, 9327..9509		

Seq. No.	31335	Seq. ID	OJ990429_03.9B02.C6
Gene No.	64852	Strand	+
Start	350	End	1182
Name	OJ990429_03.9B02.C6.o1.gs	Method	GENSCAN
Start	350	End	1182
GI	none	Score	.92
Exons	350..898, 993..1182		

Seq. No.	31336	Seq. ID	OJ990429_03.9B02.C7
Gene No.	64853	Strand	+
Start	1	End	366
Name	OJ990429_03.9B02.C7.o1.np	Method	AAT/NAP
Start	1	End	366
GI	6692729	Score	176
Exons	1..366		
GI Descrip.	(AC012679) unknown protein [Arabidopsis thaliana]		

Seq. No.	31336	Seq. ID	OJ990429_03.9B02.C7
Gene No.	64853	Strand	+
Start	1	End	366
Name	OJ990429_03.9B02.C7.o1.gs	Method	GENSCAN
Start	52	End	134
GI	none	Score	.76
Exons	52..134		

Seq. No.	31336	Seq. ID	OJ990429_03.9B02.C7
Gene No.	64853	Strand	+
Start	1	End	366
Name	OJ990429_03.9B02.C7.o1.tm	Method	TBLASTX:Maize
Start	52	End	192
GI	none	Score	207
Exons	52..192, 52..183, 62..184, 93..188		

Seq. No.	31337	Seq. ID	OJ990429_03.9B02.C8
Gene No.	64854	Strand	-
Start	37	End	207
Name	OJ990429_03.9B02.C8.o1.np	Method	AAT/NAP
Start	37	End	204
GI	6692729	Score	153
Exons	37..204		
GI Descrip.	(AC012679) unknown protein [Arabidopsis thaliana]		

Seq. No.	31337	Seq. ID	OJ990429_03.9B02.C8
Gene No.	64854	Strand	-
Start	37	End	207
Name	OJ990429_03.9B02.C8.o1.tm	Method	TBLASTX:Maize
Start	76	End	207
GI	none	Score	195
Exons	76..207, 83..205, 145..207		

Seq. No.	31338	Seq. ID	OJ990429_03.9B02.C9
Gene No.	64855	Strand	+
Start	420	End	1517
Name	OJ990429_03.9B02.C9.o1.gs	Method	GENSCAN
Start	420	End	791
GI	none	Score	.64
Exons	420..548, 606..791		

Seq. No.	31338	Seq. ID	OJ990429_03.9B02.C9
Gene No.	64855	Strand	+
Start	420	End	1517
Name	OJ990429_03.9B02.C9.o1.np	Method	AAT/NAP
Start	442	End	1517
GI	6721512	Score	133
Exons	442..549, 577..709, 752..787, 1419..1517		

GI Descrip. (AP001072) hypothetical protein [Oryza sativa]

Seq. No.	31339	Seq. ID	OJ990429_03.9B02.C10
Gene No.	64856	Strand	+
Start	1	End	1554
Name	OJ990429_03.9B02.C10.o1.np	Method	AAT/NAP
Start	1	End	1551
GI	6498436	Score	422
Exons	1..87, 959..1232, 1433..1551		
GI Descrip.	(AP000815) hypothetical protein [Oryza sativa]		

Seq. No.	31339	Seq. ID	OJ990429_03.9B02.C10
Gene No.	64856	Strand	+
Start	1	End	1554
Name	OJ990429_03.9B02.C10.o1.gs	Method	GENSCAN
Start	907	End	1554
GI	none	Score	.56
Exons	907..1060, 1433..1554		

Seq. No.	31340	Seq. ID	OJ990429_03.9B02.C11
Gene No.	64857	Strand	+
Start	471	End	1631
Name	OJ990429_03.9B02.C11.o1.gp	Method	AAT/GAP
Start	471	End	975
GI	20040_1.R1084	Score	958
Exons	471..975		
GI Descrip.	'4176420/dbj\|BAA37167\| 2.0e-11 (AB008097) cytochrome P450 [Arabidopsis thaliana]'		

Seq. No.	31340	Seq. ID	OJ990429_03.9B02.C11
Gene No.	64857	Strand	+
Start	471	End	1631
Name	OJ990429_03.9B02.C11.o1.gs	Method	GENSCAN
Start	811	End	1402
GI	none	Score	.96
Exons	811..957, 1030..1115, 1210..1402		

Seq. No.	31340	Seq. ID	OJ990429_03.9B02.C11
Gene No.	64857	Strand	+
Start	471	End	1631
Name	OJ990429_03.9B02.C11.o1.np	Method	AAT/NAP
Start	959	End	1631
GI	4585708	Score	292
Exons	959..1115, 1210..1332, 1447..1631		
GI Descrip.	(AJ238117) putative phospholipase A2 [Oryza sativa]		

Seq. No.	31340	Seq. ID	OJ990429_03.9B02.C11
Gene No.	64858	Strand	-
Start	1446	End	3850
Name	OJ990429_03.9B02.C11.o2.gs	Method	GENSCAN
Start	1446	End	3850
GI	none	Score	.47
Exons	1446..1657, 3555..3626, 3769..3850		

Seq. No.	31340	Seq. ID	OJ990429_03.9B02.C11
Gene No.	64859	Strand	-
Start	4150	End	4403

Name	OJ990429_03.9B02.C11.o1.tm	Method	TBLASTX:Maize
Start	1052	End	1616
GI	none	Score	47
Exons	1052..1111, 1203..1322, 1211..1321, 1439..1540, 1450..1476, 1521..1616		

Seq. No.	31340	Seq. ID	OJ990429_03.9B02.C11
Gene No.	64859	Strand	-
Start	4150	End	4403
Name	OJ990429_03.9B02.C11.o1.ts	Method	TBLASTX:Soybean
Start	1082	End	1336
GI	none	Score	47
Exons	1082..1114, 1203..1334, 1211..1336		

Seq. No.	31340	Seq. ID	OJ990429_03.9B02.C11
Gene No.	64859	Strand	-
Start	4150	End	4403
Name	OJ990429_03.9B02.C11.o1.tc	Method	TBLASTX:Cress
Start	1211	End	1604
GI	none	Score	214
Exons	1211..1336, 1212..1424, 1521..1604		

Seq. No.	31340	Seq. ID	OJ990429_03.9B02.C11
Gene No.	64859	Strand	-
Start	4150	End	4403
Name	OJ990429_03.9B02.C11.o2.gp	Method	AAT/GAP
Start	4150	End	4403
GI	3763197	Score	461
Exons	4150..4403		

Seq. No.	31341	Seq. ID	OJ990429_03.9B02.C12
Gene No.	64860	Strand	-
Start	1	End	1637
Name	OJ990429_03.9B02.C12.o1.np	Method	AAT/NAP
Start	1	End	1579
GI	3785978	Score	271
Exons	1..91, 698..766, 1013..1073, 1241..1359, 1525..1579		
GI Descrip.	(AC005560) unknown protein [Arabidopsis thaliana]		

Seq. No.	31341	Seq. ID	OJ990429_03.9B02.C12
Gene No.	64860	Strand	-
Start	1	End	1637
Name	OJ990429_03.9B02.C12.o1.gp	Method	AAT/GAP
Start	23	End	1637
GI	31417_1.R1084	Score	722
Exons	23..91, 698..766, 1013..1073, 1241..1359, 1525..1637		
GI Descrip.	'3785978 8.0e-28 (AC005560) unknown protein [Arabidopsis thaliana]'		

Seq. No.	31341	Seq. ID	OJ990429_03.9B02.C12
Gene No.	64860	Strand	-
Start	1	End	1637
Name	OJ990429_03.9B02.C12.o1.gs	Method	GENSCAN
Start	698	End	1579
GI	none	Score	.62
Exons	698..766, 1013..1073, 1241..1331, 1384..1464, 1470..1579		

Seq. No.	31342	Seq. ID	OJ990429_03.9B02.C13
Gene No.	64861	Strand	+
Start	48	End	353
Name	OJ990429_03.9B02.C13.o1.gs	Method	GENSCAN
Start	48	End	353
GI	none	Score	.99
Exons	48..353		

Seq. No.	31342	Seq. ID	OJ990429_03.9B02.C13
Gene No.	64862	Strand	-
Start	1	End	576
Name	OJ990429_03.9B02.C13.o1.gp	Method	AAT/GAP
Start	1	End	576
GI	5701675	Score	1050
Exons	1..576		

Seq. No.	31343	Seq. ID	OJ990429_03.9B02.C14
Gene No.	64863	Strand	-
Start	85	End	764
Name	OJ990429_03.9B02.C14.o1.gp	Method	AAT/GAP
Start	85	End	764
GI	16427_1.R1084	Score	126
Exons	85..120, 692..764		
GI Descrip.	'2290382 3.0e-10 (U89985) serine/threonine protein phosphatase PPT1 [Neurospora crassa]'		

Seq. No.	31344	Seq. ID	OJ990429_03.9B02.C15
Gene No.	64864	Strand	+
Start	465	End	704
Name	OJ990429_03.9B02.C15.o1.gs	Method	GENSCAN
Start	465	End	512
GI	none	Score	.71
Exons	465..512		

Seq. No.	31344	Seq. ID	OJ990429_03.9B02.C15
Gene No.	64864	Strand	+
Start	465	End	704
Name	OJ990429_03.9B02.C15.o1.np	Method	AAT/NAP
Start	465	End	704
GI	2586082	Score	197
Exons	465..704		
GI Descrip.	(U72725) retrofit [Oryza longistaminata]		

Seq. No.	31345	Seq. ID	OJ990429_03.9B02.C16
Gene No.	64865	Strand	-
Start	113	End	227
Name	OJ990429_03.9B02.C16.o1.gs	Method	GENSCAN
Start	113	End	227
GI	none	Score	.63
Exons	113..227		

Seq. No.	31346	Seq. ID	OJ990429_03.9B02.C17
Gene No.	64866	Strand	-
Start	374	End	544
Name	OJ990429_03.9B02.C17.o1.gp	Method	AAT/GAP
Start	374	End	533
GI	none	Score	288

Exons	374..533		
Seq. No.	31346	Seq. ID	OJ990429_03.9B02.C17
Gene No.	64866	Strand	-
Start	374	End	544
Name	OJ990429_03.9B02.C17.o1.gs	Method	GENSCAN
Start	378	End	544
GI	none	Score	.67
Exons	378..544		
Seq. No.	31347	Seq. ID	OJ990429_03.9B02.C18
Gene No.	64867	Strand	+
Start	267	End	463
Name	OJ990429_03.9B02.C18.o1.gs	Method	GENSCAN
Start	267	End	463
GI	none	Score	.72
Exons	267..313, 350..463		
Seq. No.	31348	Seq. ID	OJ990429_03.9B02.C19
Gene No.	64868	Strand	-
Start	1	End	10964
Name	OJ990429_03.9B02.C19.o1.np	Method	AAT/NAP
Start	1	End	4332
GI	2290382	Score	95
Exons	1..40, 3553..3623, 3990..4041, 4163..4332		
GI Descrip.	(U89985) serine/threonine protein phosphatase PPT1 [Neurospora crassa]		
Seq. No.	31348	Seq. ID	OJ990429_03.9B02.C19
Gene No.	64868	Strand	-
Start	1	End	10964
Name	OJ990429_03.9B02.C19.o2.gs	Method	GENSCAN
Start	2710	End	10964
GI	none	Score	.81
Exons	2710..2826, 3990..4041, 4163..4290, 4775..4975, 5675..5809, 6608..6699, 7562..7744, 7874..7999, 8582..8706, 8881..9033, 10759..10964		
Seq. No.	31348	Seq. ID	OJ990429_03.9B02.C19
Gene No.	64868	Strand	-
Start	1	End	10964
Name	OJ990429_03.9B02.C19.o1.gp	Method	AAT/GAP
Start	3309	End	6754
GI	16427_1.R1084	Score	1499
Exons	3309..3411, 3554..3623, 3990..4041, 4163..4290, 4775..4975, 5675..5809, 6608..6754		
GI Descrip.	'2290382 3.0e-10 (U89985) serine/threonine protein phosphatase PPT1 [Neurospora crassa]'		
Seq. No.	31348	Seq. ID	OJ990429_03.9B02.C19
Gene No.	64868	Strand	-
Start	1	End	10964
Name	OJ990429_03.9B02.C19.o1.tm	Method	TBLASTX:Maize
Start	4234	End	8712
GI	none	Score	89
Exons	4234..4293, 4235..4291, 4770..4976, 4776..4925, 4813..4977, 4826..4978, 5672..5812, 5673..5810, 5674..5811, 6601..6762,		

6601..6762, 6608..6766, 6608..6769, 6666..6770, 6666..6770, 7312..7371, 7315..7392, 7369..7440, 7375..7455, 7552..7746, 7561..7746, 7563..7751, 7566..7748, 7861..7950, 7861..7998, 7862..7999, 7866..8000, 7866..8000, 8569..8712, 8580..8708, 8590..8712

Seq. No.	31348	Seq. ID	OJ990429_03.9B02.C19
Gene No.	64868	Strand	-
Start	1	End	10964
Name	OJ990429_03.9B02.C19.o1.ts	Method	TBLASTX:Soybean
Start	6714	End	7958
GI	none	Score	69
Exons	6714..6776, 6719..6769, 7384..7452, 7551..7751, 7561..7749, 7861..7950, 7866..7958		

Seq. No.	31348	Seq. ID	OJ990429_03.9B02.C19
Gene No.	64868	Strand	-
Start	1	End	10964
Name	OJ990429_03.9B02.C19.o2.np	Method	AAT/NAP
Start	7279	End	10880
GI	2342685	Score	448
Exons	7279..7393, 7558..7744, 7874..7999, 8582..8706, 8881..9033, 10759..10880		
GI Descrip.	(AC000106) Contains similarity to Rhodococcus amidase (gb\|D16207). ESTs gb\|T20504,gb\|H36650,gb\|N97423,gb\|H36595 come from this gene. [Arabidopsis thaliana]		

Seq. No.	31349	Seq. ID	OJ990429_03.9B02.C21
Gene No.	64869	Strand	-
Start	431	End	625
Name	OJ990429_03.9B02.C21.o1.np	Method	AAT/NAP
Start	431	End	625
GI	769712	Score	180
Exons	431..625		
GI Descrip.	(D32052) ORF72 [Oryza sativa]		

Seq. No.	31350	Seq. ID	OJ990429_03.9B02.C23
Gene No.	64870	Strand	-
Start	105	End	192
Name	OJ990429_03.9B02.C23.o1.gs	Method	GENSCAN
Start	105	End	192
GI	none	Score	.53
Exons	105..192		

Seq. No.	31351	Seq. ID	OJ990429_03.9B02.C26
Gene No.	64871	Strand	-
Start	1	End	1056
Name	OJ990429_03.9B02.C26.o1.gp	Method	AAT/GAP
Start	1	End	863
GI	43031_1.R1084	Score	243
Exons	1..125, 798..863		
GI Descrip.	'2909521/emb\|CAA17403\| 1.0e-08 (AL021932) hypothetical protein Rv0446c [Mycobacterium tuberculosis]'		

Seq. No.	31351	Seq. ID	OJ990429_03.9B02.C26
Gene No.	64871	Strand	-
Start	1	End	1056

Name	OJ990429_03.9B02.C26.o1.np	Method	AAT/NAP
Start	1	End	1056
GI	6692729	Score	149
Exons	1..125, 798..1056		
GI Descrip.	(AC012679) unknown protein [Arabidopsis thaliana]		

Seq. No.	31351	Seq. ID	OJ990429_03.9B02.C26
Gene No.	64871	Strand	-
Start	1	End	1056
Name	OJ990429_03.9B02.C26.o1.tm	Method	TBLASTX:Maize
Start	17	End	847
GI	none	Score	121
Exons	17..133, 43..126, 44..133, 791..847, 798..836		

Seq. No.	31351	Seq. ID	OJ990429_03.9B02.C26
Gene No.	64871	Strand	-
Start	1	End	1056
Name	OJ990429_03.9B02.C26.o1.gs	Method	GENSCAN
Start	44	End	125
GI	none	Score	.97
Exons	44..125		

Seq. No.	31352	Seq. ID	OJ990429_03.9B02.C28
Gene No.	64872	Strand	+
Start	31	End	697
Name	OJ990429_03.9B02.C28.o1.gs	Method	GENSCAN
Start	31	End	697
GI	none	Score	.57
Exons	31..44, 463..697		

Seq. No.	31352	Seq. ID	OJ990429_03.9B02.C28
Gene No.	64873	Strand	-
Start	1	End	128
Name	OJ990429_03.9B02.C28.o1.gp	Method	AAT/GAP
Start	1	End	128
GI	none	Score	232
Exons	1..128		

Seq. No.	31353	Seq. ID	OJ990429_03.9B02.C29
Gene No.	64874	Strand	-
Start	1	End	236
Name	OJ990429_03.9B02.C29.o1.np	Method	AAT/NAP
Start	1	End	236
GI	3785978	Score	98
Exons	1..236		
GI Descrip.	(AC005560) unknown protein [Arabidopsis thaliana]		

Seq. No.	31353	Seq. ID	OJ990429_03.9B02.C29
Gene No.	64874	Strand	-
Start	1	End	236
Name	OJ990429_03.9B02.C29.o1.gp	Method	AAT/GAP
Start	58	End	132
GI	13145_2.R1084	Score	131
Exons	58..132		
GI Descrip.	'5824665/emb\|CAB54355.1\| 8.0e-30 (AL110479) predicted using Genefinder; preliminary prediction [Caenorhabditis elegans]'		

Seq. No.	31354	Seq. ID	OJ990429_03.9B02.C30
Gene No.	64875	Strand	+
Start	1	End	1056
Name	OJ990429_03.9B02.C30.o1.np	Method	AAT/NAP
Start	1	End	1054
GI	1707017	Score	1436
Exons	1..1054		
GI Descrip.	(U78721) putative U5 small nuclear ribonucleoprotein, an RNA helicase [Arabidopsis thaliana]		

Seq. No.	31354	Seq. ID	OJ990429_03.9B02.C30
Gene No.	64875	Strand	+
Start	1	End	1056
Name	OJ990429_03.9B02.C30.o2.tm	Method	TBLASTX:Maize
Start	1	End	355
GI	none	Score	245
Exons	1..276, 1..276, 2..277, 54..350, 59..355, 60..353		

Seq. No.	31354	Seq. ID	OJ990429_03.9B02.C30
Gene No.	64875	Strand	+
Start	1	End	1056
Name	OJ990429_03.9B02.C30.o1.gs	Method	GENSCAN
Start	60	End	908
GI	none	Score	.8
Exons	60..908		

Seq. No.	31354	Seq. ID	OJ990429_03.9B02.C30
Gene No.	64875	Strand	+
Start	1	End	1056
Name	OJ990429_03.9B02.C30.o2.tc	Method	TBLASTX:Cress
Start	144	End	683
GI	none	Score	165
Exons	144..377, 152..334, 408..683		

Seq. No.	31354	Seq. ID	OJ990429_03.9B02.C30
Gene No.	64875	Strand	+
Start	1	End	1056
Name	OJ990429_03.9B02.C30.o2.ts	Method	TBLASTX:Soybean
Start	148	End	497
GI	none	Score	536
Exons	148..300, 149..496, 150..497, 150..497		

Seq. No.	31354	Seq. ID	OJ990429_03.9B02.C30
Gene No.	64875	Strand	+
Start	1	End	1056
Name	OJ990429_03.9B02.C30.o1.tw	Method	TBLASTX:Wheat
Start	201	End	707
GI	none	Score	83
Exons	201..368, 416..682, 417..704, 438..707		

Seq. No.	31354	Seq. ID	OJ990429_03.9B02.C30
Gene No.	64875	Strand	+
Start	1	End	1056
Name	OJ990429_03.9B02.C30.o1.tm	Method	TBLASTX:Maize
Start	360	End	622
GI	none	Score	436
Exons	360..620, 362..622, 365..622		

Seq. No.	31354	Seq. ID	OJ990429_03.9B02.C30
Gene No.	64875	Strand	+
Start	1	End	1056
Name	OJ990429_03.9B02.C30.o1.gp	Method	AAT/GAP
Start	554	End	936
GI	LIB3434-030-P1-K1-F2	Score	693
Exons	554..936		
GI Descrip.	'5803242/dbj\|AP000399.1\|AP000399 1.0e-39 Oryza sativa genomic DNA, chromosome 6, clone:P0535G04'		

Seq. No.	31354	Seq. ID	OJ990429_03.9B02.C30
Gene No.	64875	Strand	+
Start	1	End	1056
Name	OJ990429_03.9B02.C30.o1.ts	Method	TBLASTX:Soybean
Start	585	End	1056
GI	none	Score	420
Exons	585..839, 587..766, 591..839, 595..849, 596..850, 842..1051, 844..1056		

Seq. No.	31354	Seq. ID	OJ990429_03.9B02.C30
Gene No.	64875	Strand	+
Start	1	End	1056
Name	OJ990429_03.9B02.C30.o1.tc	Method	TBLASTX:Cress
Start	684	End	1000
GI	none	Score	228
Exons	684..839, 684..839, 842..1000, 844..999		

Seq. No.	31355	Seq. ID	OJ990429_03.9B02.C32
Gene No.	64876	Strand	-
Start	1	End	735
Name	OJ990429_03.9B02.C32.o1.np	Method	AAT/NAP
Start	1	End	735
GI	475600	Score	751
Exons	1..204, 290..735		
GI Descrip.	(U08383) BiP isoform B [Glycine max]		

Seq. No.	31355	Seq. ID	OJ990429_03.9B02.C32
Gene No.	64876	Strand	-
Start	1	End	735
Name	OJ990429_03.9B02.C32.o1.tw	Method	TBLASTX:Wheat
Start	35	End	723
GI	none	Score	109
Exons	35..238, 47..205, 291..554, 364..558, 553..723, 554..625		

Seq. No.	31355	Seq. ID	OJ990429_03.9B02.C32
Gene No.	64876	Strand	-
Start	1	End	735
Name	OJ990429_03.9B02.C32.o1.tc	Method	TBLASTX:Cress
Start	47	End	735
GI	none	Score	118
Exons	47..205, 48..206, 50..241, 291..554, 364..555, 499..564, 500..556, 553..735, 560..628		

Seq. No.	31355	Seq. ID	OJ990429_03.9B02.C32
Gene No.	64876	Strand	-
Start	1	End	735

Name	OJ990429_03.9B02.C32.o1.ts	Method	TBLASTX:Soybean
Start	47	End	735
GI	none	Score	111
Exons	47..205, 93..206, 291..554, 364..552, 553..735, 554..628		

Seq. No.	31355	Seq. ID	OJ990429_03.9B02.C32
Gene No.	64876	Strand	-
Start	1	End	735
Name	OJ990429_03.9B02.C32.o1.tm	Method	TBLASTX:Maize
Start	47	End	735
GI	none	Score	153
Exons	47..205, 50..241, 291..554, 364..558, 553..735, 554..628		

Seq. No.	31355	Seq. ID	OJ990429_03.9B02.C32
Gene No.	64876	Strand	-
Start	1	End	735
Name	OJ990429_03.9B02.C32.o1.gs	Method	GENSCAN
Start	50	End	539
GI	none	Score	.99
Exons	50..204, 290..539		

Seq. No.	31356	Seq. ID	OJ990429_03.9B02.C33
Gene No.	64877	Strand	+
Start	187	End	1301
Name	OJ990429_03.9B02.C33.o1.np	Method	AAT/NAP
Start	187	End	1301
GI	2586082	Score	1021
Exons	187..1301		
GI Descrip.	(U72725) retrofit [Oryza longistaminata]		

Seq. No.	31356	Seq. ID	OJ990429_03.9B02.C33
Gene No.	64877	Strand	+
Start	187	End	1301
Name	OJ990429_03.9B02.C33.o1.tw	Method	TBLASTX:Wheat
Start	193	End	576
GI	none	Score	96
Exons	193..375, 418..576, 435..572		

Seq. No.	31356	Seq. ID	OJ990429_03.9B02.C33
Gene No.	64877	Strand	+
Start	187	End	1301
Name	OJ990429_03.9B02.C33.o1.tm	Method	TBLASTX:Maize
Start	264	End	666
GI	none	Score	91
Exons	264..359, 265..375, 379..666, 411..665		

Seq. No.	31356	Seq. ID	OJ990429_03.9B02.C33
Gene No.	64877	Strand	+
Start	187	End	1301
Name	OJ990429_03.9B02.C33.o2.tm	Method	TBLASTX:Maize
Start	684	End	1241
GI	none	Score	66
Exons	684..821, 990..1070, 999..1241, 1119..1241		

Seq. No.	31356	Seq. ID	OJ990429_03.9B02.C33
Gene No.	64877	Strand	+
Start	187	End	1301

Name	OJ990429_03.9B02.C33.o2.tw	Method	TBLASTX:Wheat
Start	1059	End	1280
GI	none	Score	191
Exons	1059..1250, 1077..1280		

Seq. No.	31357	Seq. ID	OJ990429_03.9B02.C34
Gene No.	64878	Strand	+
Start	1	End	3590
Name	OJ990429_03.9B02.C34.o1.np	Method	AAT/NAP
Start	1	End	3590
GI	2586082	Score	3406
Exons	1..2202, 2444..3590		
GI Descrip.	(U72725) retrofit [Oryza longistaminata]		

Seq. No.	31357	Seq. ID	OJ990429_03.9B02.C34
Gene No.	64878	Strand	+
Start	1	End	3590
Name	OJ990429_03.9B02.C34.o1.gs	Method	GENSCAN
Start	98	End	3459
GI	none	Score	.53
Exons	98..807, 1780..2138, 2810..3117, 3256..3459		

Seq. No.	31357	Seq. ID	OJ990429_03.9B02.C34
Gene No.	64878	Strand	+
Start	1	End	3590
Name	OJ990429_03.9B02.C34.o4.tm	Method	TBLASTX:Maize
Start	309	End	568
GI	none	Score	56
Exons	309..389, 317..397, 326..568, 446..568		

Seq. No.	31357	Seq. ID	OJ990429_03.9B02.C34
Gene No.	64878	Strand	+
Start	1	End	3590
Name	OJ990429_03.9B02.C34.o1.tw	Method	TBLASTX:Wheat
Start	386	End	775
GI	none	Score	236
Exons	386..619, 404..613, 614..775		

Seq. No.	31357	Seq. ID	OJ990429_03.9B02.C34
Gene No.	64878	Strand	+
Start	1	End	3590
Name	OJ990429_03.9B02.C34.o3.ts	Method	TBLASTX:Soybean
Start	860	End	1255
GI	none	Score	174
Exons	860..1060, 1085..1255		

Seq. No.	31357	Seq. ID	OJ990429_03.9B02.C34
Gene No.	64878	Strand	+
Start	1	End	3590
Name	OJ990429_03.9B02.C34.o5.tw	Method	TBLASTX:Wheat
Start	1064	End	1360
GI	none	Score	148
Exons	1064..1246, 1093..1245, 1271..1360		

Seq. No.	31357	Seq. ID	OJ990429_03.9B02.C34
Gene No.	64878	Strand	+
Start	1	End	3590

Name	OJ990429_03.9B02.C34.o1.tc	Method	TBLASTX:Cress
Start	1265	End	1714
GI	none	Score	327
Exons	1265..1714, 1276..1410		

Seq. No.	31357	Seq. ID	OJ990429_03.9B02.C34
Gene No.	64878	Strand	+
Start	1	End	3590
Name	OJ990429_03.9B02.C34.o2.ts	Method	TBLASTX:Soybean
Start	1277	End	1696
GI	none	Score	260
Exons	1277..1696, 1564..1629		

Seq. No.	31357	Seq. ID	OJ990429_03.9B02.C34
Gene No.	64878	Strand	+
Start	1	End	3590
Name	OJ990429_03.9B02.C34.o3.tm	Method	TBLASTX:Maize
Start	1363	End	1693
GI	none	Score	269
Exons	1363..1689, 1370..1693		

Seq. No.	31357	Seq. ID	OJ990429_03.9B02.C34
Gene No.	64878	Strand	+
Start	1	End	3590
Name	OJ990429_03.9B02.C34.o3.tw	Method	TBLASTX:Wheat
Start	1367	End	1714
GI	none	Score	274
Exons	1367..1714, 1498..1710		

Seq. No.	31357	Seq. ID	OJ990429_03.9B02.C34
Gene No.	64878	Strand	+
Start	1	End	3590
Name	OJ990429_03.9B02.C34.o1.ts	Method	TBLASTX:Soybean
Start	2561	End	3018
GI	5509260	Score	106
Exons	2561..2701, 2576..2728, 2742..2801, 2743..3018, 2841..2978		
GI Descrip.	-		

Seq. No.	31357	Seq. ID	OJ990429_03.9B02.C34
Gene No.	64878	Strand	+
Start	1	End	3590
Name	OJ990429_03.9B02.C34.o2.tc	Method	TBLASTX:Cress
Start	2675	End	2901
GI	none	Score	84
Exons	2675..2734, 2683..2733, 2743..2901, 2751..2900		

Seq. No.	31357	Seq. ID	OJ990429_03.9B02.C34
Gene No.	64878	Strand	+
Start	1	End	3590
Name	OJ990429_03.9B02.C34.o4.tw	Method	TBLASTX:Wheat
Start	2743	End	3006
GI	none	Score	238
Exons	2743..3006, 2841..2978, 2842..2988		

Seq. No.	31357	Seq. ID	OJ990429_03.9B02.C34
Gene No.	64878	Strand	+
Start	1	End	3590

Name	OJ990429_03.9B02.C34.o1.tm	Method	TBLASTX:Maize
Start	2815	End	3255
GI	none	Score	293
Exons	2815..3099, 2835..3056, 3156..3215, 3160..3255		

Seq. No.	31357	Seq. ID	OJ990429_03.9B02.C34
Gene No.	64878	Strand	+
Start	1	End	3590
Name	OJ990429_03.9B02.C34.o4.ts	Method	TBLASTX:Soybean
Start	3172	End	3558
GI	none	Score	161
Exons	3172..3360, 3183..3356, 3376..3558		

Seq. No.	31357	Seq. ID	OJ990429_03.9B02.C34
Gene No.	64878	Strand	+
Start	1	End	3590
Name	OJ990429_03.9B02.C34.o2.tw	Method	TBLASTX:Wheat
Start	3196	End	3586
GI	none	Score	341
Exons	3196..3549, 3201..3509, 3506..3586		

Seq. No.	31357	Seq. ID	OJ990429_03.9B02.C34
Gene No.	64878	Strand	+
Start	1	End	3590
Name	OJ990429_03.9B02.C34.o2.tm	Method	TBLASTX:Maize
Start	3315	End	3589
GI	none	Score	241
Exons	3315..3509, 3316..3531, 3325..3510, 3506..3589		

Seq. No.	31358	Seq. ID	OJ990429_03.9B02.C35
Gene No.	64879	Strand	+
Start	1	End	347
Name	OJ990429_03.9B02.C35.o1.np	Method	AAT/NAP
Start	1	End	347
GI	2586082	Score	480
Exons	1..347		
GI Descrip.	(U72725) retrofit [Oryza longistaminata]		

Seq. No.	31358	Seq. ID	OJ990429_03.9B02.C35
Gene No.	64880	Strand	+
Start	666	End	1609
Name	OJ990429_03.9B02.C35.o1.gs	Method	GENSCAN
Start	666	End	1609
GI	none	Score	.4
Exons	666..708, 1317..1609		

Seq. No.	31358	Seq. ID	OJ990429_03.9B02.C35
Gene No.	64881	Strand	-
Start	1947	End	2170
Name	OJ990429_03.9B02.C35.o1.ts	Method	TBLASTX:Soybean
Start	2	End	296
GI	none	Score	238
Exons	2..190, 3..296, 9..215		

Seq. No.	31358	Seq. ID	OJ990429_03.9B02.C35
Gene No.	64881	Strand	-
Start	1947	End	2170

Name	OJ990429_03.9B02.C35.o1.tm	Method	TBLASTX:Maize
Start	3	End	290
GI	none	Score	278
Exons	3..290, 3..275		

Seq. No.	31358	Seq. ID	OJ990429_03.9B02.C35
Gene No.	64881	Strand	-
Start	1947	End	2170
Name	OJ990429_03.9B02.C35.o2.np	Method	AAT/NAP
Start	1947	End	2170
GI	769712	Score	169
Exons	1947..2170		
GI Descrip.	(D32052) ORF72 [Oryza sativa]		

Seq. No.	31359	Seq. ID	OJ990429_03.9B02.C36
Gene No.	64882	Strand	+
Start	16	End	4317
Name	OJ990429_03.9B02.C36.o1.gs	Method	GENSCAN
Start	16	End	4317
GI	none	Score	.8
Exons	16..99, 164..384, 1253..1433, 1459..1568, 2273..2360, 2501..2580, 3708..4317		

Seq. No.	31359	Seq. ID	OJ990429_03.9B02.C36
Gene No.	64883	Strand	+
Start	4502	End	5966
Name	OJ990429_03.9B02.C36.o1.gp	Method	AAT/GAP
Start	4435	End	5349
GI	52910_1.R1084	Score	1251
Exons	4435..4794, 4932..5103, 5194..5349		
GI Descrip.	'5091622/gb\|AAD39610.1\|AC007454_9 3.0e-26 (AC007454) F23M19.10 [Arabidopsis thaliana]'		

Seq. No.	31359	Seq. ID	OJ990429_03.9B02.C36
Gene No.	64883	Strand	+
Start	4502	End	5966
Name	OJ990429_03.9B02.C36.o2.gs	Method	GENSCAN
Start	4502	End	5908
GI	none	Score	.56
Exons	4502..4794, 4932..5103, 5194..5787, 5894..5908		

Seq. No.	31359	Seq. ID	OJ990429_03.9B02.C36
Gene No.	64883	Strand	+
Start	4502	End	5966
Name	OJ990429_03.9B02.C36.o2.gp	Method	AAT/GAP
Start	5360	End	5966
GI	55273_1.R1084	Score	867
Exons	5360..5966		
GI Descrip.	'310775/gb\|L08874\|SYNPHSCSKV 1.0e-20 PhageScript SK cloning vector'		

Seq. No.	31359	Seq. ID	OJ990429_03.9B02.C36
Gene No.	64884	Strand	-
Start	6294	End	8724
Name	OJ990429_03.9B02.C36.o1.tm	Method	TBLASTX:Maize
Start	4475	End	4809
GI	none	Score	381

Exons	4475..4786, 4495..4809		
Seq. No.	31359	Seq. ID	OJ990429_03.9B02.C36
Gene No.	64884	Strand	-
Start	6294	End	8724
Name	OJ990429_03.9B02.C36.o1.tw	Method	TBLASTX:Wheat
Start	4498	End	4723
GI	none	Score	305
Exons	4498..4722, 4499..4723, 4586..4723		
Seq. No.	31359	Seq. ID	OJ990429_03.9B02.C36
Gene No.	64884	Strand	-
Start	6294	End	8724
Name	OJ990429_03.9B02.C36.o2.ts	Method	TBLASTX:Soybean
Start	4502	End	5277
GI	none	Score	49
Exons	4502..4543, 4534..4785, 4538..4795, 4867..4890, 4929..5090, 4930..5106, 5191..5277, 5193..5276		
Seq. No.	31359	Seq. ID	OJ990429_03.9B02.C36
Gene No.	64884	Strand	-
Start	6294	End	8724
Name	OJ990429_03.9B02.C36.o3.gs	Method	GENSCAN
Start	6294	End	8724
GI	none	Score	.79
Exons	6294..6395, 6596..6784, 6897..6967, 7068..7335, 8699..8724		
Seq. No.	31359	Seq. ID	OJ990429_03.9B02.C36
Gene No.	64884	Strand	-
Start	6294	End	8724
Name	OJ990429_03.9B02.C36.o2.np	Method	AAT/NAP
Start	6342	End	7401
GI	2578818	Score	216
Exons	6342..6395, 6596..6784, 6897..6967, 7068..7401		
GI Descrip.	(AB000121) TBPIP [Mus musculus]		
Seq. No.	31359	Seq. ID	OJ990429_03.9B02.C36
Gene No.	64884	Strand	-
Start	6294	End	8724
Name	OJ990429_03.9B02.C36.o2.tm	Method	TBLASTX:Maize
Start	6903	End	7270
GI	none	Score	87
Exons	6903..6971, 6904..6969, 7069..7260, 7069..7269, 7157..7270		
Seq. No.	31359	Seq. ID	OJ990429_03.9B02.C36
Gene No.	64884	Strand	-
Start	6294	End	8724
Name	OJ990429_03.9B02.C36.o1.tc	Method	TBLASTX:Cress
Start	7069	End	7368
GI	none	Score	200
Exons	7069..7368, 7072..7320, 7160..7336		
Seq. No.	31359	Seq. ID	OJ990429_03.9B02.C36
Gene No.	64884	Strand	-
Start	6294	End	8724
Name	OJ990429_03.9B02.C36.o1.ts	Method	TBLASTX:Soybean
Start	7090	End	7359

GI	none	Score	184
Exons	7090..7359, 7163..7336		

Seq. No.	31360	Seq. ID	OJ990429_03.9B02.C37
Gene No.	64885	Strand	-
Start	154	End	443
Name	OJ990429_03.9B02.C37.o1.gs	Method	GENSCAN
Start	154	End	443
GI	none	Score	.58
Exons	154..393, 429..443		

Seq. No.	31361	Seq. ID	OJ990429_03.9B02.C38
Gene No.	64886	Strand	+
Start	6256	End	8776
Name	OJ990429_03.9B02.C38.o2.gs	Method	GENSCAN
Start	6256	End	8263
GI	none	Score	.49
Exons	6256..6360, 6867..6897, 7215..7370, 7766..7971, 8019..8263		

Seq. No.	31361	Seq. ID	OJ990429_03.9B02.C38
Gene No.	64886	Strand	+
Start	6256	End	8776
Name	OJ990429_03.9B02.C38.o2.np	Method	AAT/NAP
Start	7457	End	8776
GI	5059025	Score	46
Exons	7457..7592, 7851..7926, 8173..8338, 8660..8776		
GI Descrip.	(AF110382) 3-hydroxy-3-methylglutaryl-coenzyme A reductase [Oryza sativa]		

Seq. No.	31361	Seq. ID	OJ990429_03.9B02.C38
Gene No.	64887	Strand	-
Start	149	End	5612
Name	OJ990429_03.9B02.C38.o1.gs	Method	GENSCAN
Start	149	End	5058
GI	none	Score	.68
Exons	149..373, 1531..1605, 1757..1848, 2079..2193, 2377..2575, 2755..2911, 3016..3088, 3256..3318, 3584..3699, 4068..4174, 4242..4823, 4889..5058		

Seq. No.	31361	Seq. ID	OJ990429_03.9B02.C38
Gene No.	64887	Strand	-
Start	149	End	5612
Name	OJ990429_03.9B02.C38.o1.tw	Method	TBLASTX:Wheat
Start	1195	End	1397
GI	none	Score	190
Exons	1195..1395, 1221..1397, 1250..1396, 1251..1397		

Seq. No.	31361	Seq. ID	OJ990429_03.9B02.C38
Gene No.	64887	Strand	-
Start	149	End	5612
Name	OJ990429_03.9B02.C38.o1.tm	Method	TBLASTX:Maize
Start	1249	End	1936
GI	none	Score	223
Exons	1249..1416, 1253..1438, 1254..1442, 1256..1441, 1514..1606, 1529..1606, 1531..1608, 1531..1617, 1757..1852, 1758..1856, 1855..1920, 1856..1936		

Seq. No.	31361	Seq. ID	OJ990429_03.9B02.C38
Gene No.	64887	Strand	-
Start	149	End	5612
Name	OJ990429_03.9B02.C38.o2.tc	Method	TBLASTX:Cress
Start	1249	End	1435
GI	none	Score	141
Exons	1249..1416, 1250..1435		

Seq. No.	31361	Seq. ID	OJ990429_03.9B02.C38
Gene No.	64887	Strand	-
Start	149	End	5612
Name	OJ990429_03.9B02.C38.o1.np	Method	AAT/NAP
Start	1255	End	5612
GI	6729515	Score	972
Exons	1255..1440, 1531..1605, 1757..1919, 2079..2193, 2377..2668, 2755..2911, 3016..3061, 5589..5612		
GI Descrip.	(AL132966) protein kinase-like protein [Arabidopsis thaliana]		

Seq. No.	31361	Seq. ID	OJ990429_03.9B02.C38
Gene No.	64887	Strand	-
Start	149	End	5612
Name	OJ990429_03.9B02.C38.o2.ts	Method	TBLASTX:Soybean
Start	1534	End	2409
GI	none	Score	68
Exons	1534..1617, 1535..1606, 1753..1821, 1755..1823, 1757..1849, 1761..1853, 1844..1915, 1855..1920, 1881..1922, 2075..2149, 2080..2193, 2080..2163, 2096..2200, 2374..2409		

Seq. No.	31361	Seq. ID	OJ990429_03.9B02.C38
Gene No.	64887	Strand	-
Start	149	End	5612
Name	OJ990429_03.9B02.C38.o1.ts	Method	TBLASTX:Soybean
Start	2440	End	2677
GI	none	Score	211
Exons	2440..2667, 2441..2677		

Seq. No.	31361	Seq. ID	OJ990429_03.9B02.C38
Gene No.	64887	Strand	-
Start	149	End	5612
Name	OJ990429_03.9B02.C38.o1.tc	Method	TBLASTX:Cress
Start	2472	End	3061
GI	none	Score	77
Exons	2472..2660, 2473..2667, 2477..2677, 2763..2909, 2764..2910, 3014..3061		

Seq. No.	31361	Seq. ID	OJ990429_03.9B02.C38
Gene No.	64887	Strand	-
Start	149	End	5612
Name	OJ990429_03.9B02.C38.o2.tm	Method	TBLASTX:Maize
Start	2527	End	2888
GI	none	Score	131
Exons	2527..2658, 2527..2667, 2534..2677, 2570..2668, 2741..2884, 2752..2886, 2763..2888, 2765..2884, 2766..2885		

Seq. No.	31362	Seq. ID	OJ990429_03.9B02.C39
Gene No.	64888	Strand	+
Start	1071	End	1771

Name	OJ990429_03.9B02.C39.o1.gs	Method	GENSCAN
Start	1071	End	1720
GI	none	Score	.9
Exons	1071..1128, 1231..1501, 1618..1720		

Seq. No.	31362	Seq. ID	OJ990429_03.9B02.C39
Gene No.	64888	Strand	+
Start	1071	End	1771
Name	OJ990429_03.9B02.C39.o2.np	Method	AAT/NAP
Start	1189	End	1771
GI	6016151	Score	507
Exons	1189..1501, 1618..1771		
GI Descrip.	IMMUNOGLOBULIN BINDING PROTEIN HOMOLOG 3 PRECURSOR (HEAT SHOCK PROTEIN 70 HOMOLOG 3) gi\|1575130 (U58209) lumenal binding protein cBiPe3 [Zea mays]		

Seq. No.	31362	Seq. ID	OJ990429_03.9B02.C39
Gene No.	64889	Strand	-
Start	881	End	1016
Name	OJ990429_03.9B02.C39.o1.np	Method	AAT/NAP
Start	881	End	1016
GI	6815099	Score	85
Exons	881..1016		
GI Descrip.	(AP001081) hypothetical protein [Oryza sativa]		

Seq. No.	31362	Seq. ID	OJ990429_03.9B02.C39
Gene No.	64890	Strand	
Start	1256	End	1771
Name	OJ990429_03.9B02.C39.o1.tc	Method	TBLASTX:Cress
Start	1256	End	1771
GI	none	Score	350
Exons	1256..1498, 1281..1502, 1601..1771, 1618..1770		

Seq. No.	31362	Seq. ID	OJ990429_03.9B02.C39
Gene No.	64890	Strand	
Start	1256	End	1771
Name	OJ990429_03.9B02.C39.o1.tw	Method	TBLASTX:Wheat
Start	1256	End	1693
GI	none	Score	355
Exons	1256..1495, 1257..1502, 1380..1499, 1601..1693, 1619..1693		

Seq. No.	31362	Seq. ID	OJ990429_03.9B02.C39
Gene No.	64890	Strand	
Start	1256	End	1771
Name	OJ990429_03.9B02.C39.o1.tm	Method	TBLASTX:Maize
Start	1257	End	1771
GI	none	Score	361
Exons	1257..1502, 1280..1495, 1392..1499, 1601..1771, 1618..1770		

Seq. No.	31362	Seq. ID	OJ990429_03.9B02.C39
Gene No.	64890	Strand	
Start	1256	End	1771
Name	OJ990429_03.9B02.C39.o1.ts	Method	TBLASTX:Soybean
Start	1280	End	1771
GI	none	Score	348
Exons	1280..1495, 1281..1502, 1380..1499, 1601..1771, 1618..1770		

Seq. No.	31363	Seq. ID	OJ990429_03.9B02.C40
Gene No.	64891	Strand	+
Start	1	End	843
Name	OJ990429_03.9B02.C40.o1.np	Method	AAT/NAP
Start	1	End	843
GI	6911549	Score	693
Exons	1..178, 265..843		
GI Descrip.	(AJ249329) heat shock protein 70 [Cucumis sativus]		

Seq. No.	31363	Seq. ID	OJ990429_03.9B02.C40
Gene No.	64892	Strand	-
Start	2450	End	4000
Name	OJ990429_03.9B02.C40.o1.tm	Method	TBLASTX:Maize
Start	2	End	792
GI	none	Score	228
Exons	2..178, 23..181, 262..336, 264..335, 408..476, 409..495, 442..570, 451..525, 613..735, 706..792		

Seq. No.	31363	Seq. ID	OJ990429_03.9B02.C40
Gene No.	64892	Strand	-
Start	2450	End	4000
Name	OJ990429_03.9B02.C40.o1.tc	Method	TBLASTX:Cress
Start	5	End	792
GI	none	Score	228
Exons	5..178, 22..180, 23..181, 261..329, 262..333, 408..476, 409..495, 613..735, 706..792		

Seq. No.	31363	Seq. ID	OJ990429_03.9B02.C40
Gene No.	64892	Strand	-
Start	2450	End	4000
Name	OJ990429_03.9B02.C40.o1.ts	Method	TBLASTX:Soybean
Start	22	End	792
GI	none	Score	216
Exons	22..135, 23..181, 261..332, 262..333, 409..495, 613..723, 727..792		

Seq. No.	31363	Seq. ID	OJ990429_03.9B02.C40
Gene No.	64892	Strand	-
Start	2450	End	4000
Name	OJ990429_03.9B02.C40.o1.tw	Method	TBLASTX:Wheat
Start	23	End	693
GI	none	Score	188
Exons	23..181, 23..193, 262..333, 406..495, 442..570, 559..693		

Seq. No.	31363	Seq. ID	OJ990429_03.9B02.C40
Gene No.	64892	Strand	-
Start	2450	End	4000
Name	OJ990429_03.9B02.C40.o1.gp	Method	AAT/GAP
Start	2450	End	3939
GI	4196_1.R1084	Score	1006
Exons	2450..2870, 3814..3939		
GI Descrip.	'4176420/dbj\|BAA37167\| 2.0e-11 (AB008097) cytochrome P450 [Arabidopsis thaliana]'		

Seq. No.	31363	Seq. ID	OJ990429_03.9B02.C40
Gene No.	64892	Strand	-
Start	2450	End	4000

Name	OJ990429_03.9B02.C40.o2.gs	Method	GENSCAN
Start	3461	End	4000
GI	none	Score	.58
Exons	3461..3582, 3814..4000		

Seq. No.	31363	Seq. ID	OJ990429_03.9B02.C40
Gene No.	64892	Strand	-
Start	2450	End	4000
Name	OJ990429_03.9B02.C40.o2.tm	Method	TBLASTX:Maize
Start	3806	End	3998
GI	none	Score	161
Exons	3806..3904, 3811..3906, 3878..3952, 3902..3997, 3921..3998		

Seq. No.	31364	Seq. ID	OJ990429_03.9B02.C41
Gene No.	64893	Strand	+
Start	58	End	175
Name	OJ990429_03.9B02.C41.o1.gs	Method	GENSCAN
Start	58	End	175
GI	none	Score	.77
Exons	58..175		

Seq. No.	31364	Seq. ID	OJ990429_03.9B02.C41
Gene No.	64894	Strand	-
Start	777	End	3607
Name	OJ990429_03.9B02.C41.o2.gs	Method	GENSCAN
Start	777	End	3607
GI	none	Score	.85
Exons	777..987, 998..1136, 1154..1287, 2440..2542, 2664..2809, 3158..3330, 3387..3607		

Seq. No.	31364	Seq. ID	OJ990429_03.9B02.C41
Gene No.	64894	Strand	-
Start	777	End	3607
Name	OJ990429_03.9B02.C41.o2.gp	Method	AAT/GAP
Start	2197	End	2774
GI	45157_1.R1084	Score	834
Exons	2197..2542, 2664..2774		
GI Descrip.	'3080436/emb\|CAA18753.1\| 5.0e-21 (AL022605) putative protein [Arabidopsis thaliana]'		

Seq. No.	31364	Seq. ID	OJ990429_03.9B02.C41
Gene No.	64894	Strand	-
Start	777	End	3607
Name	OJ990429_03.9B02.C41.o1.tc	Method	TBLASTX:Cress
Start	2434	End	2803
GI	none	Score	82
Exons	2434..2538, 2434..2529, 2436..2543, 2469..2543, 2665..2802, 2666..2803		

Seq. No.	31364	Seq. ID	OJ990429_03.9B02.C41
Gene No.	64894	Strand	-
Start	777	End	3607
Name	OJ990429_03.9B02.C41.o1.tm	Method	TBLASTX:Maize
Start	2435	End	3333
GI	none	Score	153
Exons	2435..2542, 2436..2543, 2437..2544, 2665..2832, 2665..2808, 3157..3192, 3229..3333, 3230..3331		

Seq. No.	31364	Seq. ID	OJ990429_03.9B02.C41
Gene No.	64894	Strand	-
Start	777	End	3607
Name	OJ990429_03.9B02.C41.o1.np	Method	AAT/NAP
Start	2439	End	3349
GI	3080436	Score	349
Exons	2439..2542, 2664..2809, 3203..3349		
GI Descrip.	(AL022605) putative protein [Arabidopsis thaliana]		

Seq. No.	31364	Seq. ID	OJ990429_03.9B02.C41
Gene No.	64894	Strand	-
Start	777	End	3607
Name	OJ990429_03.9B02.C41.o3.gp	Method	AAT/GAP
Start	3227	End	3332
GI	uC-osflcyp142h03b1	Score	169
Exons	3227..3332		
GI Descrip.	'3080436/emb\|CAA18753.1\| 2.0e-21 (AL022605) putative protein [Arabidopsis thaliana]'		

Seq. No.	31365	Seq. ID	OJ990429_03.9B02.C42
Gene No.	64895	Strand	+
Start	26	End	865
Name	OJ990429_03.9B02.C42.o1.gs	Method	GENSCAN
Start	26	End	865
GI	none	Score	.96
Exons	26..865		

Seq. No.	31365	Seq. ID	OJ990429_03.9B02.C42
Gene No.	64896	Strand	-
Start	1	End	283
Name	OJ990429_03.9B02.C42.o1.np	Method	AAT/NAP
Start	1	End	283
GI	3080436	Score	115
Exons	1..183, 233..283		
GI Descrip.	(AL022605) putative protein [Arabidopsis thaliana]		

Seq. No.	31365	Seq. ID	OJ990429_03.9B02.C42
Gene No.	64897	Strand	-
Start	202	End	477
Name	OJ990429_03.9B02.C42.o1.tm	Method	TBLASTX:Maize
Start	1	End	202
GI	none	Score	72
Exons	1..192, 2..61, 76..114, 164..202		

Seq. No.	31365	Seq. ID	OJ990429_03.9B02.C42
Gene No.	64897	Strand	-
Start	202	End	477
Name	OJ990429_03.9B02.C42.o1.gp	Method	AAT/GAP
Start	202	End	477
GI	none	Score	521
Exons	202..477		

Seq. No.	31366	Seq. ID	OJ990429_03.9B02.C43
Gene No.	64898	Strand	-
Start	573	End	640
Name	OJ990429_03.9B02.C43.o1.gp	Method	AAT/GAP

Start	573	End	640
GI	LIB3477-003-P1-K1-E9	Score	98
Exons	573..640		
GI Descrip.	'2498586/sp\|Q40638\|MPO1_ORYSA 2.0e-24 MAJOR POLLEN ALLERGEN ORY S 1 PRECURSOR (ORY S I) >gi_1173557 (U31771) Ory s 1 [Oryza sativa]'		

Seq. No.	31366	Seq. ID	OJ990429_03.9B02.C43
Gene No.	64899	Strand	-
Start	1407	End	1545
Name	OJ990429_03.9B02.C43.o2.gs	Method	GENSCAN
Start	1407	End	1545
GI	none	Score	.46
Exons	1407..1545		

Seq. No.	31367	Seq. ID	OJ990429_03.9B02.C44
Gene No.	64900	Strand	+
Start	136	End	508
Name	OJ990429_03.9B02.C44.o1.gs	Method	GENSCAN
Start	136	End	508
GI	none	Score	.57
Exons	136..160, 462..508		

Seq. No.	31367	Seq. ID	OJ990429_03.9B02.C44
Gene No.	64901	Strand	+
Start	1922	End	3556
Name	OJ990429_03.9B02.C44.o1.gp	Method	AAT/GAP
Start	1922	End	3556
GI	617_1.R1084	Score	857
Exons	1922..2138, 3323..3556		
GI Descrip.	'543711/sp\|Q06967\|1433_ORYSA 1.0e-143 14-3-3-LIKE PROTEIN S94 >gi_419796_pir__S30927 14-3-3 protein homolog - rice >gi_303859_dbj_BAA03711_ (D16140) brain specific protein [Oryza sativa]'		

Seq. No.	31367	Seq. ID	OJ990429_03.9B02.C44
Gene No.	64901	Strand	+
Start	1922	End	3556
Name	OJ990429_03.9B02.C44.o1.np	Method	AAT/NAP
Start	3372	End	3556
GI	543711	Score	281
Exons	3372..3556		
GI Descrip.	14-3-3-LIKE PROTEIN S94 gi\|419796\|pir\|\|S30927 14-3-3 protein homolog - rice gi\|303859\|dbj\|BAA03711\| (D16140) brain specific protein [Oryza sativa]		

Seq. No.	31367	Seq. ID	OJ990429_03.9B02.C44
Gene No.	64902	Strand	-
Start	2208	End	2834
Name	OJ990429_03.9B02.C44.o2.gs	Method	GENSCAN
Start	2208	End	2834
GI	none	Score	.74
Exons	2208..2389, 2610..2674, 2776..2834		

Seq. No.	31367	Seq. ID	OJ990429_03.9B02.C44
Gene No.	64903	Strand	
Start	3354	End	3555

Name	OJ990429_03.9B02.C44.o1.tw	Method	TBLASTX:Wheat
Start	3354	End	3554
GI	none	Score	301
Exons	3354..3554, 3355..3552		

Seq. No.	31367	Seq. ID	OJ990429_03.9B02.C44
Gene No.	64903	Strand	
Start	3354	End	3555
Name	OJ990429_03.9B02.C44.o1.tm	Method	TBLASTX:Maize
Start	3369	End	3554
GI	none	Score	267
Exons	3369..3554, 3393..3551		

Seq. No.	31367	Seq. ID	OJ990429_03.9B02.C44
Gene No.	64903	Strand	
Start	3354	End	3555
Name	OJ990429_03.9B02.C44.o1.ts	Method	TBLASTX:Soybean
Start	3381	End	3554
GI	none	Score	258
Exons	3381..3554, 3390..3551		

Seq. No.	31367	Seq. ID	OJ990429_03.9B02.C44
Gene No.	64903	Strand	
Start	3354	End	3555
Name	OJ990429_03.9B02.C44.o1.tc	Method	TBLASTX:Cress
Start	3387	End	3555
GI	none	Score	250
Exons	3387..3554, 3389..3553, 3390..3554, 3397..3555		

Seq. No.	31368	Seq. ID	OJ990429_03.9B02.C45
Gene No.	64904	Strand	-
Start	875	End	1311
Name	OJ990429_03.9B02.C45.o1.gs	Method	GENSCAN
Start	875	End	1311
GI	none	Score	.72
Exons	875..1212, 1227..1311		

Seq. No.	31369	Seq. ID	OJ990429_03.9B02.C46
Gene No.	64905	Strand	+
Start	1	End	4191
Name	OJ990429_03.9B02.C46.o1.np	Method	AAT/NAP
Start	1	End	3362
GI	6692729	Score	726
Exons	1..36, 765..836, 972..1039, 1742..1803, 2476..2557, 2643..2876, 3195..3362		
GI Descrip.	(AC012679) unknown protein [Arabidopsis thaliana]		

Seq. No.	31369	Seq. ID	OJ990429_03.9B02.C46
Gene No.	64905	Strand	+
Start	1	End	4191
Name	OJ990429_03.9B02.C46.o1.gs	Method	GENSCAN
Start	339	End	3881
GI	none	Score	.85
Exons	339..414, 481..536, 767..836, 972..1039, 1742..1803, 2476..2557, 2643..2876, 3195..3323, 3415..3476, 3764..3881		

Seq. No.	31369	Seq. ID	OJ990429_03.9B02.C46

Gene No.	64905	Strand	+
Start	1	End	4191
Name	OJ990429_03.9B02.C46.o1.gp	Method	AAT/GAP
Start	3175	End	4191
GI	3766660	Score	1159
Exons	3175..3323, 3415..3476, 3764..4191		
GI Descrip.	5803242/dbj\|AP000399.1\|AP000399 1.0e-39 Oryza sativa genomic DNA, chromosome 6, clone:P0535G04		

Seq. No.	31369	Seq. ID	OJ990429_03.9B02.C46
Gene No.	64906	Strand	-
Start	5130	End	5395
Name	OJ990429_03.9B02.C46.o1.ts	Method	TBLASTX:Soybean
Start	566	End	3271
GI	none	Score	102
Exons	566..619, 767..841, 775..840, 971..1042, 1739..1810, 2467..2550, 2468..2557, 2482..2565, 2487..2564, 2627..2869, 2640..2879, 2640..2870, 2642..2875, 3182..3271, 3207..3254		

Seq. No.	31369	Seq. ID	OJ990429_03.9B02.C46
Gene No.	64906	Strand	-
Start	5130	End	5395
Name	OJ990429_03.9B02.C46.o1.tm	Method	TBLASTX:Maize
Start	2651	End	3886
GI	none	Score	345
Exons	2651..2875, 2652..2879, 2655..2876, 3183..3323, 3192..3254, 3194..3316, 3402..3476, 3403..3474, 3420..3476, 3755..3886, 3762..3869		

Seq. No.	31369	Seq. ID	OJ990429_03.9B02.C46
Gene No.	64906	Strand	-
Start	5130	End	5395
Name	OJ990429_03.9B02.C46.o1.tw	Method	TBLASTX:Wheat
Start	5130	End	5312
GI	none	Score	184
Exons	5130..5312, 5131..5310, 5142..5312		

Seq. No.	31369	Seq. ID	OJ990429_03.9B02.C46
Gene No.	64906	Strand	-
Start	5130	End	5395
Name	OJ990429_03.9B02.C46.o2.gs	Method	GENSCAN
Start	5130	End	5345
GI	none	Score	.42
Exons	5130..5345		

Seq. No.	31369	Seq. ID	OJ990429_03.9B02.C46
Gene No.	64906	Strand	-
Start	5130	End	5395
Name	OJ990429_03.9B02.C46.o2.tm	Method	TBLASTX:Maize
Start	5130	End	5304
GI	none	Score	101
Exons	5130..5303, 5131..5196, 5142..5198, 5248..5304		

Seq. No.	31369	Seq. ID	OJ990429_03.9B02.C46
Gene No.	64906	Strand	-
Start	5130	End	5395
Name	OJ990429_03.9B02.C46.o2.np	Method	AAT/NAP

Start	5142	End	5395
GI	6692729	Score	239
Exons	5142..5395		
GI Descrip.	(AC012679) unknown protein [Arabidopsis thaliana]		

Seq. No.	31369	Seq. ID	OJ990429_03.9B02.C46
Gene No.	64906	Strand	-
Start	5130	End	5395
Name	OJ990429_03.9B02.C46.o2.ts	Method	TBLASTX:Soybean
Start	5148	End	5391
GI	none	Score	47
Exons	5148..5198, 5149..5199, 5241..5390, 5248..5391		

Seq. No.	31370	Seq. ID	OJ990429_03.9B02.C47
Gene No.	64907	Strand	-
Start	1491	End	2563
Name	OJ990429_03.9B02.C47.o1.gp	Method	AAT/GAP
Start	1200	End	1865
GI	97864_1.R1084	Score	1277
Exons	1200..1865		
GI Descrip.	'1707017 3.0e-46 (U78721) RNA helicase isolog [Arabidopsis thaliana]'		

Seq. No.	31370	Seq. ID	OJ990429_03.9B02.C47
Gene No.	64907	Strand	-
Start	1491	End	2563
Name	OJ990429_03.9B02.C47.o1.tw	Method	TBLASTX:Wheat
Start	1486	End	1802
GI	none	Score	445
Exons	1486..1800, 1487..1801, 1488..1802		

Seq. No.	31370	Seq. ID	OJ990429_03.9B02.C47
Gene No.	64907	Strand	-
Start	1491	End	2563
Name	OJ990429_03.9B02.C47.o1.ts	Method	TBLASTX:Soybean
Start	1490	End	2354
GI	none	Score	203
Exons	1490..1696, 1493..1870, 1500..2354, 1507..2124, 2043..2348, 2173..2352		

Seq. No.	31370	Seq. ID	OJ990429_03.9B02.C47
Gene No.	64907	Strand	-
Start	1491	End	2563
Name	OJ990429_03.9B02.C47.o1.gs	Method	GENSCAN
Start	1491	End	2513
GI	none	Score	1
Exons	1491..2513		

Seq. No.	31370	Seq. ID	OJ990429_03.9B02.C47
Gene No.	64907	Strand	-
Start	1491	End	2563
Name	OJ990429_03.9B02.C47.o1.np	Method	AAT/NAP
Start	1497	End	2563
GI	1707017	Score	1511
Exons	1497..2563		
GI Descrip.	(U78721) putative U5 small nuclear ribonucleoprotein, an RNA helicase [Arabidopsis thaliana]		

Seq. No.	31370	Seq. ID	OJ990429_03.9B02.C47
Gene No.	64907	Strand	-
Start	1491	End	2563
Name	OJ990429_03.9B02.C47.o1.tm	Method	TBLASTX:Maize
Start	1563	End	2552
GI	none	Score	169
Exons	1563..1958, 1642..1956, 1983..2162, 2223..2504, 2223..2552		

Seq. No.	31370	Seq. ID	OJ990429_03.9B02.C47
Gene No.	64907	Strand	-
Start	1491	End	2563
Name	OJ990429_03.9B02.C47.o1.tc	Method	TBLASTX:Cress
Start	1569	End	2528
GI	none	Score	138
Exons	1569..1958, 1654..1956, 1983..2162, 2223..2528, 2248..2292, 2349..2507		

Seq. No.	31370	Seq. ID	OJ990429_03.9B02.C47
Gene No.	64907	Strand	-
Start	1491	End	2563
Name	OJ990429_03.9B02.C47.o2.tw	Method	TBLASTX:Wheat
Start	1803	End	2454
GI	none	Score	79
Exons	1803..2033, 2073..2150, 2217..2453, 2257..2454		

Seq. No.	31370	Seq. ID	OJ990429_03.9B02.C47
Gene No.	64907	Strand	-
Start	1491	End	2563
Name	OJ990429_03.9B02.C47.o2.gp	Method	AAT/GAP
Start	2002	End	2385
GI	LIB3434-030-P1-K1-F2	Score	710
Exons	2002..2385		
GI Descrip.	'5803242/dbj\|AP000399.1\|AP000399 1.0e-39 Oryza sativa genomic DNA, chromosome 6, clone:P0535G04'		

Seq. No.	31370	Seq. ID	OJ990429_03.9B02.C47
Gene No.	64907	Strand	-
Start	1491	End	2563
Name	OJ990429_03.9B02.C47.o2.ts	Method	TBLASTX:Soybean
Start	2355	End	2468
GI	none	Score	106
Exons	2355..2453, 2355..2468, 2356..2463		

Seq. No.	31371	Seq. ID	OJ990429_03.9B02.C48
Gene No.	64908	Strand	-
Start	1	End	2019
Name	OJ990429_03.9B02.C48.o1.gp	Method	AAT/GAP
Start	1	End	329
GI	35453_1.R1084	Score	646
Exons	1..329		
GI Descrip.	'4176420/dbj\|BAA37167\| 2.0e-11 (AB008097) cytochrome P450 [Arabidopsis thaliana]'		

Seq. No.	31371	Seq. ID	OJ990429_03.9B02.C48
Gene No.	64908	Strand	-
Start	1	End	2019

Name	OJ990429_03.9B02.C48.o1.gs	Method	GENSCAN
Start	17	End	2019
GI	none	Score	.99
Exons	17..415, 1953..2019		

Seq. No.	31371	Seq. ID	OJ990429_03.9B02.C48
Gene No.	64909	Strand	-
Start	2678	End	4313
Name	OJ990429_03.9B02.C48.o2.tm	Method	TBLASTX:Maize
Start	2637	End	2950
GI	none	Score	251
Exons	2637..2927, 2675..2950, 2676..2876		

Seq. No.	31371	Seq. ID	OJ990429_03.9B02.C48
Gene No.	64909	Strand	-
Start	2678	End	4313
Name	OJ990429_03.9B02.C48.o1.tw	Method	TBLASTX:Wheat
Start	2672	End	2867
GI	none	Score	68
Exons	2672..2740, 2673..2768, 2720..2863, 2724..2867		

Seq. No.	31371	Seq. ID	OJ990429_03.9B02.C48
Gene No.	64909	Strand	-
Start	2678	End	4313
Name	OJ990429_03.9B02.C48.o2.gs	Method	GENSCAN
Start	2678	End	4154
GI	none	Score	.6
Exons	2678..3996, 4091..4154		

Seq. No.	31371	Seq. ID	OJ990429_03.9B02.C48
Gene No.	64909	Strand	-
Start	2678	End	4313
Name	OJ990429_03.9B02.C48.o2.ts	Method	TBLASTX:Soybean
Start	2693	End	2951
GI	none	Score	85
Exons	2693..2914, 2708..2950, 2715..2951		

Seq. No.	31371	Seq. ID	OJ990429_03.9B02.C48
Gene No.	64909	Strand	-
Start	2678	End	4313
Name	OJ990429_03.9B02.C48.o1.np	Method	AAT/NAP
Start	2705	End	4313
GI	6453886	Score	549
Exons	2705..3126, 3154..3834, 4163..4313		
GI Descrip.	(AC011663) unknown protein [Arabidopsis thaliana]		

Seq. No.	31371	Seq. ID	OJ990429_03.9B02.C48
Gene No.	64909	Strand	-
Start	2678	End	4313
Name	OJ990429_03.9B02.C48.o1.tc	Method	TBLASTX:Cress
Start	2738	End	3781
GI	none	Score	138
Exons	2738..2926, 2739..2870, 2753..2917, 2978..3037, 3428..3781, 3533..3736		

Seq. No.	31371	Seq. ID	OJ990429_03.9B02.C48
Gene No.	64909	Strand	-

Start	2678	End	4313
Name	OJ990429_03.9B02.C48.o2.gp	Method	AAT/GAP
Start	3228	End	3664
GI	3107042	Score	814
Exons	3228..3664		
GI Descrip.	4101564 4.0e-23 (AF004556) IFA-binding protein [Arabidopsis thaliana]		

Seq. No.	31371	Seq. ID	OJ990429_03.9B02.C48
Gene No.	64909	Strand	-
Start	2678	End	4313
Name	OJ990429_03.9B02.C48.o1.tm	Method	TBLASTX:Maize
Start	3370	End	3811
GI	none	Score	77
Exons	3370..3450, 3370..3444, 3387..3449, 3447..3488, 3455..3538, 3497..3811, 3536..3766, 3703..3807		

Seq. No.	31371	Seq. ID	OJ990429_03.9B02.C48
Gene No.	64909	Strand	-
Start	2678	End	4313
Name	OJ990429_03.9B02.C48.o1.ts	Method	TBLASTX:Soybean
Start	3434	End	3916
GI	none	Score	159
Exons	3434..3778, 3533..3766, 3842..3916		

Seq. No.	31372	Seq. ID	OJ990429_03.9B02.C50
Gene No.	64910	Strand	-
Start	145	End	752
Name	OJ990429_03.9B02.C50.o1.gs	Method	GENSCAN
Start	145	End	648
GI	none	Score	.55
Exons	145..316, 431..648		

Seq. No.	31372	Seq. ID	OJ990429_03.9B02.C50
Gene No.	64910	Strand	-
Start	145	End	752
Name	OJ990429_03.9B02.C50.o1.np	Method	AAT/NAP
Start	148	End	752
GI	2586082	Score	766
Exons	148..752		
GI Descrip.	(U72725) retrofit [Oryza longistaminata]		

Seq. No.	31372	Seq. ID	OJ990429_03.9B02.C50
Gene No.	64910	Strand	-
Start	145	End	752
Name	OJ990429_03.9B02.C50.o1.ts	Method	TBLASTX:Soybean
Start	199	End	691
GI	none	Score	68
Exons	199..690, 280..516, 305..691		

Seq. No.	31372	Seq. ID	OJ990429_03.9B02.C50
Gene No.	64910	Strand	-
Start	145	End	752
Name	OJ990429_03.9B02.C50.o1.tw	Method	TBLASTX:Wheat
Start	199	End	615
GI	none	Score	45
Exons	199..378, 305..379, 397..615, 421..468		

Seq. No.	31372	Seq. ID	OJ990429_03.9B02.C50
Gene No.	64910	Strand	-
Start	145	End	752
Name	OJ990429_03.9B02.C50.o1.tm	Method	TBLASTX:Maize
Start	205	End	628
GI	none	Score	129
Exons	205..492, 220..492, 494..628,	499..627	

Seq. No.	31373	Seq. ID	OJ990429_03.9B02.C52
Gene No.	64911	Strand	+
Start	101	End	189
Name	OJ990429_03.9B02.C52.o1.gs	Method	GENSCAN
Start	101	End	189
GI	none	Score	.97
Exons	101..189		

Seq. No.	31374	Seq. ID	OJ990429_03.9B02.C54
Gene No.	64912	Strand	+
Start	1	End	769
Name	OJ990429_03.9B02.C54.o1.np	Method	AAT/NAP
Start	1	End	404
GI	3785978	Score	360
Exons	1..129, 211..404		
GI Descrip.	(AC005560) unknown protein [Arabidopsis thaliana]		

Seq. No.	31374	Seq. ID	OJ990429_03.9B02.C54
Gene No.	64912	Strand	+
Start	1	End	769
Name	OJ990429_03.9B02.C54.o1.tm	Method	TBLASTX:Maize
Start	12	End	586
GI	none	Score	117
Exons	12..134, 12..134, 13..135, 195..359, 208..381, 208..366, 454..585, 467..586		

Seq. No.	31374	Seq. ID	OJ990429_03.9B02.C54
Gene No.	64912	Strand	+
Start	1	End	769
Name	OJ990429_03.9B02.C54.o1.ts	Method	TBLASTX:Soybean
Start	78	End	769
GI	none	Score	73
Exons	78..134, 79..135, 208..360, 208..366, 451..606, 504..596, 677..727, 682..762, 728..769		

Seq. No.	31374	Seq. ID	OJ990429_03.9B02.C54
Gene No.	64912	Strand	+
Start	1	End	769
Name	OJ990429_03.9B02.C54.o1.gp	Method	AAT/GAP
Start	82	End	769
GI	13145_2.R1084	Score	754
Exons	82..129, 211..358, 452..596, 679..769		
GI Descrip.	'5824665/emb\|CAB54355.1\| 8.0e-30 (AL110479) predicted using Genefinder; preliminary prediction [Caenorhabditis elegans]'		

Seq. No.	31374	Seq. ID	OJ990429_03.9B02.C54
Gene No.	64912	Strand	+
Start	1	End	769

Name	OJ990429_03.9B02.C54.o1.gs	Method	GENSCAN
Start	452	End	765
GI	none	Score	.74
Exons	452..596, 679..765		

Seq. No.	31375	Seq. ID	OJ990429_03.9B02.C61
Gene No.	64913	Strand	+
Start	120	End	202
Name	OJ990429_03.9B02.C61.o1.gs	Method	GENSCAN
Start	120	End	202
GI	none	Score	.86
Exons	120..202		

Seq. No.	31376	Seq. ID	OJ990429_03.9B02.C63
Gene No.	64914	Strand	
Start	85	End	437
Name	OJ990429_03.9B02.C63.o1.tm	Method	TBLASTX:Maize
Start	85	End	437
GI	none	Score	113
Exons	85..171, 94..171, 96..188, 260..433, 262..435, 264..437, 286..435		

Seq. No.	31376	Seq. ID	OJ990429_03.9B02.C63
Gene No.	64914	Strand	
Start	85	End	437
Name	OJ990429_03.9B02.C63.o1.tw	Method	TBLASTX:Wheat
Start	305	End	437
GI	none	Score	74
Exons	305..433, 305..436, 306..437, 307..435		

Seq. No.	31377	Seq. ID	OJ990429_03.9B02.C65
Gene No.	64915	Strand	+
Start	72	End	611
Name	OJ990429_03.9B02.C65.o1.np	Method	AAT/NAP
Start	72	End	611
GI	3769472	Score	227
Exons	72..366, 481..611		
GI Descrip.	(AF064732) putative phospholipase A2 [Dianthus caryophyllus]		

Seq. No.	31377	Seq. ID	OJ990429_03.9B02.C65
Gene No.	64915	Strand	+
Start	72	End	611
Name	OJ990429_03.9B02.C65.o1.tc	Method	TBLASTX:Cress
Start	237	End	370
GI	none	Score	214
Exons	237..368, 245..370		

Seq. No.	31377	Seq. ID	OJ990429_03.9B02.C65
Gene No.	64915	Strand	+
Start	72	End	611
Name	OJ990429_03.9B02.C65.o1.ts	Method	TBLASTX:Soybean
Start	237	End	370
GI	none	Score	229
Exons	237..368, 245..370		

Seq. No.	31377	Seq. ID	OJ990429_03.9B02.C65
Gene No.	64915	Strand	+

Start	72	End	611
Name	OJ990429_03.9B02.C65.o1.tm	Method	TBLASTX:Maize
Start	241	End	374
GI	none	Score	242
Exons	241..279, 242..373, 243..374		

Seq. No.	31377	Seq. ID	OJ990429_03.9B02.C65
Gene No.	64915	Strand	+
Start	72	End	611
Name	OJ990429_03.9B02.C65.o1.gp	Method	AAT/GAP
Start	244	End	535
GI	66555_1.R1084	Score	274
Exons	244..366, 484..535		
GI Descrip.	'4585708/emb\|CAB40842.1\| 4.0e-28 (AJ238117) putative phospholipase A2 [Oryza sativa]'		

Seq. No.	31377	Seq. ID	OJ990429_03.9B02.C65
Gene No.	64915	Strand	+
Start	72	End	611
Name	OJ990429_03.9B02.C65.o1.gs	Method	GENSCAN
Start	244	End	366
GI	none	Score	.9
Exons	244..366		

Seq. No.	31378	Seq. ID	OJ990429_03.9B02.C67
Gene No.	64916	Strand	+
Start	71	End	357
Name	OJ990429_03.9B02.C67.o1.gs	Method	GENSCAN
Start	71	End	357
GI	none	Score	.67
Exons	71..357		

Seq. No.	31378	Seq. ID	OJ990429_03.9B02.C67
Gene No.	64917	Strand	-
Start	199	End	380
Name	OJ990429_03.9B02.C67.o1.gp	Method	AAT/GAP
Start	199	End	380
GI	none	Score	330
Exons	199..380		

Seq. No.	31379	Seq. ID	OJ990429_03.9B02.C68
Gene No.	64918	Strand	-
Start	55	End	173
Name	OJ990429_03.9B02.C68.o1.gs	Method	GENSCAN
Start	55	End	173
GI	none	Score	.89
Exons	55..173		

Seq. No.	31380	Seq. ID	OJ990429_03.9B02.C70
Gene No.	64919	Strand	+
Start	1	End	702
Name	OJ990429_03.9B02.C70.o1.np	Method	AAT/NAP
Start	1	End	702
GI	2586082	Score	889
Exons	1..702		
GI Descrip.	(U72725) retrofit [Oryza longistaminata]		

Seq. No.	31380	Seq. ID	OJ990429_03.9B02.C70
Gene No.	64919	Strand	+
Start	1	End	702
Name	OJ990429_03.9B02.C70.o1.tw	Method	TBLASTX:Wheat
Start	178	End	616
GI	none	Score	453
Exons	178..615, 181..507, 183..614,	536..616	

Seq. No.	31380	Seq. ID	OJ990429_03.9B02.C70
Gene No.	64919	Strand	+
Start	1	End	702
Name	OJ990429_03.9B02.C70.o1.tm	Method	TBLASTX:Maize
Start	297	End	587
GI	none	Score	330
Exons	297..587, 298..585		

Seq. No.	31380	Seq. ID	OJ990429_03.9B02.C70
Gene No.	64919	Strand	+
Start	1	End	702
Name	OJ990429_03.9B02.C70.o1.ts	Method	TBLASTX:Soybean
Start	379	End	702
GI	none	Score	312
Exons	379..702, 381..701		

Seq. No.	31381	Seq. ID	OJ990429_03.9B02.C72
Gene No.	64920	Strand	-
Start	19	End	654
Name	OJ990429_03.9B02.C72.o1.gs	Method	GENSCAN
Start	19	End	654
GI	none	Score	.88
Exons	19..152, 630..654		

Seq. No.	31382	Seq. ID	OJ990729_03.9B05.C1
Gene No.	64921	Strand	+
Start	1084	End	4917
Name	OJ990729_03.9B05.C1.o1.gp	Method	AAT/GAP
Start	1084	End	3269
GI	25224_1.R1084	Score	1370
Exons	1084..1448, 2734..2934, 3009..3120, 3221..3269		
GI Descrip.	'4426964/gb\|AAD20634\| 1.0e-59 (AF126255) purple acid phosphatase precursor [Anchusa officinalis]'		

Seq. No.	31382	Seq. ID	OJ990729_03.9B05.C1
Gene No.	64921	Strand	+
Start	1084	End	4917
Name	OJ990729_03.9B05.C1.o1.gs	Method	GENSCAN
Start	1272	End	4917
GI	none	Score	.86
Exons	1272..1448, 2734..2934, 3009..3120, 3221..3345, 3573..3711, 3956..4176, 4497..4618, 4755..4917		

Seq. No.	31382	Seq. ID	OJ990729_03.9B05.C1
Gene No.	64921	Strand	+
Start	1084	End	4917
Name	OJ990729_03.9B05.C1.o2.np	Method	AAT/NAP
Start	1275	End	4914
GI	4160280	Score	1690

Exons	1275..1448, 2734..2934, 3009..3120, 3221..3447, 3573..3711, 3956..4176, 4497..4618, 4719..4914		
GI Descrip.	(AJ006224) purple acid phosphatase [Ipomoea batatas]		

Seq. No.	31382	Seq. ID	OJ990729_03.9B05.C1
Gene No.	64922	Strand	+
Start	11150	End	17704
Name	OJ990729_03.9B05.C1.o3.gs	Method	GENSCAN
Start	11150	End	16948
GI	none	Score	.83
Exons	11150..11353, 11468..11571, 11746..11800, 11993..12137, 12258..12395, 12848..12987, 13150..13197, 13469..13579, 13915..14036, 14464..14530, 15562..15826, 15852..16948		

Seq. No.	31382	Seq. ID	OJ990729_03.9B05.C1
Gene No.	64922	Strand	+
Start	11150	End	17704
Name	OJ990729_03.9B05.C1.o4.np	Method	AAT/NAP
Start	16019	End	17704
GI	5091523	Score	451
Exons	16019..16224, 16701..17031, 17080..17316, 17483..17704		
GI Descrip.	(AB023482) Similar to Gallus gallus mRNA for attachment region binding protein (ARBP).(Y14166) [Oryza sativa]		

Seq. No.	31382	Seq. ID	OJ990729_03.9B05.C1
Gene No.	64922	Strand	+
Start	11150	End	17704
Name	OJ990729_03.9B05.C1.o4.gs	Method	GENSCAN
Start	17148	End	17585
GI	none	Score	.92
Exons	17148..17585		

Seq. No.	31382	Seq. ID	OJ990729_03.9B05.C1
Gene No.	64923	Strand	-
Start	1	End	303
Name	OJ990729_03.9B05.C1.o1.np	Method	AAT/NAP
Start	1	End	303
GI	6685159	Score	508
Exons	1..303		
GI Descrip.	(AF219140) gastric cancer-related protein GCYS-20 [Homo sapiens]		

Seq. No.	31382	Seq. ID	OJ990729_03.9B05.C1
Gene No.	64924	Strand	-
Start	4403	End	10407
Name	OJ990729_03.9B05.C1.o3.np	Method	AAT/NAP
Start	4403	End	10407
GI	5803253	Score	649
Exons	4403..4486, 5906..5963, 6278..6411, 6520..6792, 6873..6970, 7071..7202, 7297..7412, 9613..9854, 9943..10070, 10323..10407		
GI Descrip.	(AP000399) ESTs AU068856(C50756),AU077979(C61370) correspond to a region of the predicted gene; similar to serine protease (AF097709) [Oryza sativa]		

Seq. No.	31382	Seq. ID	OJ990729_03.9B05.C1
Gene No.	64924	Strand	-
Start	4403	End	10407
Name	OJ990729_03.9B05.C1.o2.gs	Method	GENSCAN

Start	5849	End	7716
GI	none	Score	.81
Exons	5849..5963, 6071..6157, 6278..6411, 6520..6792, 6873..6925, 7071..7202, 7297..7371, 7695..7716		

Seq. No.	31382	Seq. ID	OJ990729_03.9B05.C1
Gene No.	64925	Strand	-
Start	15408	End	15770
Name	OJ990729_03.9B05.C1.o2.gp	Method	AAT/GAP
Start	15408	End	15770
GI	4714904	Score	655
Exons	15408..15770		

Seq. No.	31382	Seq. ID	OJ990729_03.9B05.C1
Gene No.	64926	Strand	-
Start	16372	End	16743
Name	OJ990729_03.9B05.C1.o2.tc	Method	TBLASTX:Cress
Start	264	End	438
GI	none	Score	235
Exons	264..422, 265..423, 265..438		

Seq. No.	31382	Seq. ID	OJ990729_03.9B05.C1
Gene No.	64926	Strand	-
Start	16372	End	16743
Name	OJ990729_03.9B05.C1.o1.ts	Method	TBLASTX:Soybean
Start	1338	End	4794
GI	none	Score	120
Exons	1338..1451, 1346..1450, 2731..2934, 2733..2933, 2979..3119, 3006..3137, 3014..3121, 3219..3254, 3220..3282, 3279..3443, 3279..3443, 3280..3459, 3286..3459, 3573..3713, 3574..3714, 3575..3718, 3626..3718, 3931..4077, 3939..4076, 3956..4093, 4077..4190, 4078..4191, 4079..4195, 4500..4616, 4509..4607, 4511..4678, 4675..4794, 4716..4790		

Seq. No.	31382	Seq. ID	OJ990729_03.9B05.C1
Gene No.	64926	Strand	-
Start	16372	End	16743
Name	OJ990729_03.9B05.C1.o4.tm	Method	TBLASTX:Maize
Start	1343	End	2904
GI	none	Score	165
Exons	1343..1450, 1344..1451, 2721..2903, 2726..2902, 2731..2904, 2733..2903		

Seq. No.	31382	Seq. ID	OJ990729_03.9B05.C1
Gene No.	64926	Strand	-
Start	16372	End	16743
Name	OJ990729_03.9B05.C1.o1.tc	Method	TBLASTX:Cress
Start	1344	End	4881
GI	none	Score	94
Exons	1344..1451, 1346..1450, 2731..2934, 2733..2825, 2979..3134, 3006..3128, 3244..3342, 3288..3341, 3325..3441, 3346..3456, 3573..3710, 3931..4176, 3946..4167, 4077..4169, 4497..4613, 4502..4618, 4675..4881, 4716..4880		

Seq. No.	31382	Seq. ID	OJ990729_03.9B05.C1
Gene No.	64926	Strand	-
Start	16372	End	16743

Name	OJ990729_03.9B05.C1.o1.tm	Method	TBLASTX:Maize
Start	2905	End	4943
GI	none	Score	57
Exons	2905..2934, 2905..2934, 2907..2939, 3002..3124, 3002..3121, 3003..3122, 3006..3137, 3207..3434, 3219..3446, 3220..3447, 3220..3447, 3573..3713, 3573..3695, 3626..3718, 3931..4176, 3945..4184, 3999..4190, 4496..4618, 4497..4616, 4497..4619, 4571..4618, 4675..4890, 4692..4943, 4716..4916		

Seq. No.	31382	Seq. ID	OJ990729_03.9B05.C1
Gene No.	64926	Strand	-
Start	16372	End	16743
Name	OJ990729_03.9B05.C1.o1.tw	Method	TBLASTX:Wheat
Start	4713	End	4895
GI	none	Score	219
Exons	4713..4895, 4717..4887, 4740..4892		

Seq. No.	31382	Seq. ID	OJ990729_03.9B05.C1
Gene No.	64926	Strand	-
Start	16372	End	16743
Name	OJ990729_03.9B05.C1.o2.tm	Method	TBLASTX:Maize
Start	6298	End	7339
GI	none	Score	85
Exons	6298..6393, 6323..6412, 6323..6412, 6328..6417, 6513..6629, 6514..6651, 6520..6642, 6675..6761, 6677..6793, 6690..6800, 6870..7028, 6873..6983, 6874..7005, 7069..7203, 7071..7202, 7114..7203, 7295..7339, 7296..7337		

Seq. No.	31382	Seq. ID	OJ990729_03.9B05.C1
Gene No.	64926	Strand	-
Start	16372	End	16743
Name	OJ990729_03.9B05.C1.o2.ts	Method	TBLASTX:Soybean
Start	12071	End	12879
GI	none	Score	97
Exons	12071..12136, 12084..12131, 12254..12394, 12256..12393, 12841..12879		

Seq. No.	31382	Seq. ID	OJ990729_03.9B05.C1
Gene No.	64926	Strand	-
Start	16372	End	16743
Name	OJ990729_03.9B05.C1.o3.tm	Method	TBLASTX:Maize
Start	13544	End	13972
GI	none	Score	54
Exons	13544..13579, 13546..13575, 13641..13838, 13654..13839, 13661..13849, 13662..13838, 13909..13971, 13909..13971, 13910..13972		

Seq. No.	31382	Seq. ID	OJ990729_03.9B05.C1
Gene No.	64926	Strand	-
Start	16372	End	16743
Name	OJ990729_03.9B05.C1.o3.gp	Method	AAT/GAP
Start	16372	End	16743
GI	4714903	Score	700
Exons	16372..16743		

Seq. No.	31383	Seq. ID	OJ990729_03.9B05.C2
Gene No.	64927	Strand	+

Start	104	End	706
Name	OJ990729_03.9B05.C2.o1.gs	Method	GENSCAN
Start	104	End	706
GI	none	Score	.47
Exons	104..207, 459..706		

Seq. No.	31384	Seq. ID	OJ990729_03.9B05.C3
Gene No.	64928	Strand	+
Start	539	End	680
Name	OJ990729_03.9B05.C3.o1.gs	Method	GENSCAN
Start	539	End	680
GI	none	Score	.4
Exons	539..680		

Seq. No.	31385	Seq. ID	OJ990729_03.9B05.C4
Gene No.	64929	Strand	-
Start	1	End	541
Name	OJ990729_03.9B05.C4.o1.np	Method	AAT/NAP
Start	1	End	541
GI	100489	Score	227
Exons	1..541		
GI Descrip.	transposase Tam3 - garden snapdragon transposon Tam3 gi\|16064\|emb\|CAA38906\| (X55078) Tam3-transposase [Antirrhinum majus] gi\|3219237\|dbj\|BAA28817.1\| (AB013982) transposase [Antirrhinum majus] gi\|3219239\|dbj\|BAA28818.1\| (AB013983) transposase [Antirrhinum majus] gi\|3219241\|dbj\|BAA28819.1\| (AB013984) transposase [Antirrhinum majus] gi\|3219244\|dbj\|BAA28820.1\| (AB013986) transpo		

Seq. No.	31385	Seq. ID	OJ990729_03.9B05.C4
Gene No.	64929	Strand	-
Start	1	End	541
Name	OJ990729_03.9B05.C4.o2.np	Method	AAT/NAP
Start	1	End	541
GI	6016874	Score	175
Exons	1..92, 233..541		
GI Descrip.	(AP000570) ESTs C19143(E10020),D25076(R3116) correspond to a region of the predicted gene.; Similar to putative AC9 transposase. (P03010) [Oryza sativa]		

Seq. No.	31385	Seq. ID	OJ990729_03.9B05.C4
Gene No.	64929	Strand	-
Start	1	End	541
Name	OJ990729_03.9B05.C4.o1.tm	Method	TBLASTX:Maize
Start	38	End	537
GI	none	Score	72
Exons	38..76, 69..137, 71..133, 74..151, 152..409, 153..419, 195..410, 445..477, 450..482, 502..537		

Seq. No.	31386	Seq. ID	OJ990729_03.9B05.C7
Gene No.	64930	Strand	+
Start	140	End	624
Name	OJ990729_03.9B05.C7.o1.gs	Method	GENSCAN
Start	140	End	624
GI	none	Score	.6
Exons	140..218, 240..624		

Seq. No.	31386	Seq. ID	OJ990729_03.9B05.C7
Gene No.	64931	Strand	-
Start	837	End	1013
Name	OJ990729_03.9B05.C7.o2.gs	Method	GENSCAN
Start	837	End	1013
GI	none	Score	1
Exons	837..1013		

Seq. No.	31387	Seq. ID	OJ990729_03.9B05.C8
Gene No.	64932	Strand	-
Start	1564	End	2620
Name	OJ990729_03.9B05.C8.o1.gs	Method	GENSCAN
Start	1564	End	1970
GI	none	Score	.75
Exons	1564..1970		

Seq. No.	31387	Seq. ID	OJ990729_03.9B05.C8
Gene No.	64932	Strand	-
Start	1564	End	2620
Name	OJ990729_03.9B05.C8.o1.np	Method	AAT/NAP
Start	1567	End	2620
GI	6815053	Score	737
Exons	1567..1970, 2473..2620		
GI Descrip.	(AP001080) hypothetical protein [Oryza sativa]		

Seq. No.	31388	Seq. ID	OJ990729_03.9B05.C9
Gene No.	64933	Strand	-
Start	1	End	588
Name	OJ990729_03.9B05.C9.o1.np	Method	AAT/NAP
Start	1	End	455
GI	6016874	Score	121
Exons	1..77, 288..455		
GI Descrip.	(AP000570) ESTs C19143(E10020),D25076(R3116) correspond to a region of the predicted gene.; Similar to putative AC9 transposase. (P03010) [Oryza sativa]		

Seq. No.	31388	Seq. ID	OJ990729_03.9B05.C9
Gene No.	64933	Strand	-
Start	1	End	588
Name	OJ990729_03.9B05.C9.o1.tm	Method	TBLASTX:Maize
Start	2	End	588
GI	none	Score	68
Exons	2..82, 4..48, 265..588, 290..541		

Seq. No.	31389	Seq. ID	OJ990729_03.9B05.C10
Gene No.	64934	Strand	+
Start	272	End	1697
Name	OJ990729_03.9B05.C10.o2.np	Method	AAT/NAP
Start	272	End	1697
GI	5852084	Score	84
Exons	272..369, 1614..1697		
GI Descrip.	(AL117264) zwh0007.1 [Oryza sativa]		

Seq. No.	31389	Seq. ID	OJ990729_03.9B05.C10
Gene No.	64935	Strand	-
Start	14	End	1222
Name	OJ990729_03.9B05.C10.o1.gs	Method	GENSCAN

Start	14	End	1222
GI	none	Score	1
Exons	14..1222		

Seq. No.	31389	Seq. ID	OJ990729_03.9B05.C10
Gene No.	64935	Strand	-
Start	14	End	1222
Name	OJ990729_03.9B05.C10.o1.np	Method	AAT/NAP
Start	17	End	1222
GI	2126090	Score	2114
Exons	17..1222		
GI Descrip.	transposase (insertion sequence IS10) - Escherichia coli gi\|455676\|bbs\|140379 (S67119) transposase [Escherichia coli, LBB84, plasmid pXT107, IS10L/R-1, Peptide PlasmidTransposonInsertionMutant, 402 aa] [Escherichia coli] gi\|6634720\|gb\|AAF19728.1\|AC012463_2 (AC012463) T2E6.2 [Arabidopsis thaliana]		

Seq. No.	31389	Seq. ID	OJ990729_03.9B05.C10
Gene No.	64936	Strand	
Start	1182	End	1350
Name	OJ990729_03.9B05.C10.o1.tc	Method	TBLASTX:Cress
Start	1182	End	1350
GI	none	Score	177
Exons	1182..1301, 1183..1350, 1184..1330		

Seq. No.	31390	Seq. ID	OJ990729_03.9B05.C11
Gene No.	64937	Strand	-
Start	1457	End	3154
Name	OJ990729_03.9B05.C11.o1.tm	Method	TBLASTX:Maize
Start	857	End	3154
GI	none	Score	42
Exons	857..904, 932..961, 934..969, 1019..1105, 1023..1103, 1832..1921, 1844..1939, 1845..1940, 2866..2928, 2874..2990, 2876..2995, 3064..3102, 3094..3153, 3095..3154		

Seq. No.	31390	Seq. ID	OJ990729_03.9B05.C11
Gene No.	64937	Strand	-
Start	1457	End	3154
Name	OJ990729_03.9B05.C11.o1.gp	Method	AAT/GAP
Start	1457	End	1922
GI	2428084	Score	843
Exons	1457..1922		

Seq. No.	31390	Seq. ID	OJ990729_03.9B05.C11
Gene No.	64937	Strand	-
Start	1457	End	3154
Name	OJ990729_03.9B05.C11.o2.gs	Method	GENSCAN
Start	1784	End	3099
GI	none	Score	.96
Exons	1784..1807, 1850..1918, 2879..2989, 3064..3099		

Seq. No.	31390	Seq. ID	OJ990729_03.9B05.C11
Gene No.	64937	Strand	-
Start	1457	End	3154
Name	OJ990729_03.9B05.C11.o1.ts	Method	TBLASTX:Soybean
Start	1844	End	3144

GI	none	Score	117
Exons	1844..1948, 2874..2990, 2876..2995, 3064..3144		

Seq. No.	31390	Seq. ID	OJ990729_03.9B05.C11
Gene No.	64937	Strand	-
Start	1457	End	3154
Name	OJ990729_03.9B05.C11.o1.tc	Method	TBLASTX:Cress
Start	1871	End	3147
GI	none	Score	125
Exons	1871..1939, 2876..2995, 2877..2990, 3037..3105, 3064..3147		

Seq. No.	31391	Seq. ID	OJ990729_03.9B05.C12
Gene No.	64938	Strand	+
Start	2580	End	2895
Name	OJ990729_03.9B05.C12.o1.gp	Method	AAT/GAP
Start	2580	End	2895
GI	none	Score	604
Exons	2580..2895		

Seq. No.	31391	Seq. ID	OJ990729_03.9B05.C12
Gene No.	64939	Strand	+
Start	3223	End	4919
Name	OJ990729_03.9B05.C12.o2.gp	Method	AAT/GAP
Start	3223	End	4919
GI	20723_1.R1084	Score	1661
Exons	3223..3969, 4728..4919		
GI Descrip.	'2149018/gb\|U70541\|OSU70541 8.0e-14 Oryza sativa putative ADP-glucose pyrophosphorylase subunit SH2 and putative NADPH-dependent reductase A1 genes, complete cds'		

Seq. No.	31391	Seq. ID	OJ990729_03.9B05.C12
Gene No.	64940	Strand	+
Start	5101	End	5408
Name	OJ990729_03.9B05.C12.o1.tw	Method	TBLASTX:Wheat
Start	3233	End	3613
GI	none	Score	178
Exons	3233..3400, 3233..3415, 3367..3420, 3435..3515, 3447..3491, 3448..3528, 3498..3545, 3515..3547, 3573..3608, 3583..3612, 3593..3613		

Seq. No.	31391	Seq. ID	OJ990729_03.9B05.C12
Gene No.	64940	Strand	+
Start	5101	End	5408
Name	OJ990729_03.9B05.C12.o1.np	Method	AAT/NAP
Start	5101	End	5408
GI	6006381	Score	335
Exons	5101..5408		
GI Descrip.	(AP000559) hypothetical protein [Oryza sativa]		

Seq. No.	31392	Seq. ID	OJ990729_03.9B05.C13
Gene No.	64941	Strand	+
Start	640	End	1898
Name	OJ990729_03.9B05.C13.o1.gs	Method	GENSCAN
Start	640	End	1898
GI	none	Score	.54
Exons	640..736, 1682..1898		

Seq. No.	31393	Seq. ID	OJ990729_03.9B05.C14
Gene No.	64942	Strand	+
Start	2404	End	3544
Name	OJ990729_03.9B05.C14.o1.gs	Method	GENSCAN
Start	2404	End	3544
GI	none	Score	.44
Exons	2404..3544		

Seq. No.	31393	Seq. ID	OJ990729_03.9B05.C14
Gene No.	64943	Strand	
Start	3456	End	3645
Name	OJ990729_03.9B05.C14.o1.tm	Method	TBLASTX:Maize
Start	3456	End	3645
GI	none	Score	196
Exons	3456..3644, 3456..3641, 3457..3645, 3463..3645		

Seq. No.	31394	Seq. ID	OJ990729_03.9B05.C15
Gene No.	64944	Strand	+
Start	73	End	5200
Name	OJ990729_03.9B05.C15.o1.gs	Method	GENSCAN
Start	73	End	5200
GI	none	Score	.88
Exons	73..546, 1135..1329, 2013..2317, 2458..2643, 2931..3108, 5105..5200		

Seq. No.	31394	Seq. ID	OJ990729_03.9B05.C15
Gene No.	64945	Strand	+
Start	11412	End	11954
Name	OJ990729_03.9B05.C15.o1.np	Method	AAT/NAP
Start	11412	End	11954
GI	6539585	Score	197
Exons	11412..11565, 11863..11954		
GI Descrip.	(AP000837) hypothetical protein [Oryza sativa]		

Seq. No.	31394	Seq. ID	OJ990729_03.9B05.C15
Gene No.	64946	Strand	+
Start	16162	End	16686
Name	OJ990729_03.9B05.C15.o3.gs	Method	GENSCAN
Start	16162	End	16686
GI	none	Score	.69
Exons	16162..16431, 16567..16686		

Seq. No.	31394	Seq. ID	OJ990729_03.9B05.C15
Gene No.	64947	Strand	-
Start	6495	End	15106
Name	OJ990729_03.9B05.C15.o1.tc	Method	TBLASTX:Cress
Start	1	End	1310
GI	none	Score	164
Exons	1..228, 15..227, 289..546, 339..542, 1125..1163, 1126..1167, 1153..1305, 1194..1310		

Seq. No.	31394	Seq. ID	OJ990729_03.9B05.C15
Gene No.	64947	Strand	-
Start	6495	End	15106
Name	OJ990729_03.9B05.C15.o1.ts	Method	TBLASTX:Soybean
Start	64	End	2096
GI	none	Score	132

Exons	64..189, 82..162, 87..188, 310..546, 1125..1334, 1126..1332, 1139..1366, 2010..2096		
Seq. No.	31394	Seq. ID	OJ990729_03.9B05.C15
Gene No.	64947	Strand	-
Start	6495	End	15106
Name	OJ990729_03.9B05.C15.o1.tm	Method	TBLASTX:Maize
Start	144	End	6783
GI	none	Score	572
Exons	144..278, 145..546, 147..548, 149..547, 1125..1331, 1125..1358, 1126..1347, 1139..1354, 2010..2318, 2010..2321, 2011..2319, 2021..2329, 2023..2325, 2446..2643, 2459..2641, 2907..3110, 2935..3111, 2936..3109, 6490..6636, 6495..6641, 6732..6773, 6736..6783		
Seq. No.	31394	Seq. ID	OJ990729_03.9B05.C15
Gene No.	64947	Strand	-
Start	6495	End	15106
Name	OJ990729_03.9B05.C15.o2.ts	Method	TBLASTX:Soybean
Start	2220	End	3102
GI	none	Score	69
Exons	2220..2318, 2290..2319, 2446..2580, 2449..2565, 2459..2590, 2468..2590, 2579..2641, 2587..2643, 2910..3095, 2929..3102		
Seq. No.	31394	Seq. ID	OJ990729_03.9B05.C15
Gene No.	64947	Strand	-
Start	6495	End	15106
Name	OJ990729_03.9B05.C15.o2.gs	Method	GENSCAN
Start	6495	End	15106
GI	none	Score	.4
Exons	6495..6673, 6832..6880, 6994..7152, 7605..7708, 7896..8013, 8238..8321, 8332..8419, 9652..9720, 10408..10576, 14207..14378, 15077..15106		
Seq. No.	31395	Seq. ID	OJ990729_03.9B05.C16
Gene No.	64948	Strand	+
Start	1	End	9392
Name	OJ990729_03.9B05.C16.o1.np	Method	AAT/NAP
Start	1	End	2712
GI	4415912	Score	780
Exons	1..82, 153..406, 1073..1300, 1510..1671, 1789..1862, 1951..2034, 2155..2234, 2598..2712		
GI Descrip.	(AC006282) putative protease [Arabidopsis thaliana]		
Seq. No.	31395	Seq. ID	OJ990729_03.9B05.C16
Gene No.	64948	Strand	+
Start	1	End	9392
Name	OJ990729_03.9B05.C16.o1.gp	Method	AAT/GAP
Start	153	End	406
GI	2310457	Score	471
Exons	153..406		
GI Descrip.	4415912/gb\|AAD20143\| 1.0e-19 (AC006282) putative protease [Arabidopsis thaliana]		
Seq. No.	31395	Seq. ID	OJ990729_03.9B05.C16
Gene No.	64948	Strand	+
Start	1	End	9392

Name	OJ990729_03.9B05.C16.o1.gs	Method	GENSCAN
Start	153	End	9392
GI	none	Score	.6
Exons	153..406, 1073..1196, 1510..1671, 1789..1862, 1930..2047, 2168..2234, 2598..2669, 2796..2902, 3647..3801, 3875..4070, 4165..4309, 4339..4498, 5034..5153, 5423..5546, 5669..5806, 5937..6146, 6530..6680, 7897..8246, 8354..8408, 8532..8827, 9184..9392		

Seq. No.	31395	Seq. ID	OJ990729_03.9B05.C16
Gene No.	64948	Strand	+
Start	1	End	9392
Name	OJ990729_03.9B05.C16.o2.np	Method	AAT/NAP
Start	4138	End	6684
GI	6324607	Score	390
Exons	4138..4298, 5034..5153, 5423..5546, 5669..5806, 5937..6149, 6530..6684		
GI Descrip.	exonuclease; Dhs1p gi\|1706421\|sp\|P39875\|EXO1_YEAST EXONUCLEASE I (EXO I) (DHS1 PROTEIN) gi\|2131226\|pir\|\|S62169 DHS1 protein - yeast (Saccharomyces cerevisiae) gi\|1041655\|emb\|CAA60749\| (X87331) overlaps with S69545. Encodes protein 219 amino acids longer than published protein sequence [Saccharomyces cerevisiae] gi\|1420150\|emb\|CAA99223\| (Z74941) ORF YOR033c [Saccha		

Seq. No.	31395	Seq. ID	OJ990729_03.9B05.C16
Gene No.	64949	Strand	-
Start	3154	End	3529
Name	OJ990729_03.9B05.C16.o2.tm	Method	TBLASTX:Maize
Start	152	End	1256
GI	none	Score	160
Exons	152..265, 153..272, 155..313, 259..402, 263..403, 263..412, 1069..1230, 1073..1255, 1074..1256		

Seq. No.	31395	Seq. ID	OJ990729_03.9B05.C16
Gene No.	64949	Strand	-
Start	3154	End	3529
Name	OJ990729_03.9B05.C16.o4.tm	Method	TBLASTX:Maize
Start	1257	End	1674
GI	none	Score	77
Exons	1257..1301, 1259..1300, 1508..1546, 1509..1559, 1532..1672, 1532..1669, 1546..1674, 1548..1670		

Seq. No.	31395	Seq. ID	OJ990729_03.9B05.C16
Gene No.	64949	Strand	-
Start	3154	End	3529
Name	OJ990729_03.9B05.C16.o1.tc	Method	TBLASTX:Cress
Start	1508	End	1996
GI	none	Score	50
Exons	1508..1573, 1546..1677, 1548..1670, 1776..1862, 1789..1878, 1943..1996, 1945..1995		

Seq. No.	31395	Seq. ID	OJ990729_03.9B05.C16
Gene No.	64949	Strand	-
Start	3154	End	3529
Name	OJ990729_03.9B05.C16.o3.tm	Method	TBLASTX:Maize
Start	1791	End	3151

GI	none	Score	97
Exons	1791..1871, 1792..1857, 1922..2047, 1930..2052, 1934..2047, 2158..2232, 2160..2237, 2168..2233, 2590..2670, 2592..2672, 2597..2680, 2797..2850, 2797..2931, 2831..2902, 2929..2961, 2931..2972, 3067..3087, 3068..3094, 3122..3151		

Seq. No.	31395	Seq. ID	OJ990729_03.9B05.C16
Gene No.	64949	Strand	-
Start	3154	End	3529
Name	OJ990729_03.9B05.C16.o2.gp	Method	AAT/GAP
Start	3154	End	3529
GI	uC-osroM202010g03a1	Score	684
Exons	3154..3529		
GI Descrip.	'4415912/gb\|AAD20143\| 1.0e-19 (AC006282) putative protease [Arabidopsis thaliana]'		

Seq. No.	31395	Seq. ID	OJ990729_03.9B05.C16
Gene No.	64950	Strand	
Start	5657	End	6679
Name	OJ990729_03.9B05.C16.o1.tm	Method	TBLASTX:Maize
Start	5657	End	6679
GI	none	Score	222
Exons	5657..5830, 5667..5804, 5726..5806, 5934..6149, 5936..6142, 5937..6149, 6527..6679, 6527..6667, 6529..6669		

Seq. No.	31396	Seq. ID	OJ990729_03.9B05.C17
Gene No.	64951	Strand	+
Start	37	End	3587
Name	OJ990729_03.9B05.C17.o1.np	Method	AAT/NAP
Start	37	End	3587
GI	2213587	Score	94
Exons	37..99, 1946..2074, 2102..2314, 3567..3587		
GI Descrip.	(AC000348) T7N9.7 [Arabidopsis thaliana]		

Seq. No.	31396	Seq. ID	OJ990729_03.9B05.C17
Gene No.	64952	Strand	-
Start	4737	End	20013
Name	OJ990729_03.9B05.C17.o2.np	Method	AAT/NAP
Start	4737	End	19045
GI	6094553	Score	2862
Exons	4737..4769, 4995..5225, 5320..5394, 5489..5656, 5929..5986, 6059..6300, 6566..6637, 7286..7352, 8016..8060, 8155..8393, 8558..8677, 8776..8850, 8926..8988, 9681..9763, 10363..10405, 10692..10850, 11624..11697, 12113..12176, 12268..12367, 12444..12650, 12769..12863, 13783..13857, 14042..14134, 14499..14603, 15272..15342, 16364..16517, 17456..17519, 18138..18221, 18964..19045		
GI Descrip.	(AC010676) unknown protein [Arabidopsis thaliana]		

Seq. No.	31396	Seq. ID	OJ990729_03.9B05.C17
Gene No.	64952	Strand	-
Start	4737	End	20013
Name	OJ990729_03.9B05.C17.o2.gs	Method	GENSCAN
Start	4941	End	20013
GI	none	Score	.84
Exons	4941..5225, 5320..5394, 5489..5656, 5929..5986, 6059..6300, 6566..6637, 7286..7364, 8155..8393, 8776..8850, 8926..8988,		

9681..9763, 10288..10427, 10729..10850, 11624..11702,
12444..12650, 12841..12863, 14042..14134, 14499..14603,
15272..15342, 16364..16517, 17456..17519, 18964..19010,
19773..19832, 19942..20013

Seq. No.	31396	Seq. ID	OJ990729_03.9B05.C17
Gene No.	64952	Strand	-
Start	4737	End	20013
Name	OJ990729_03.9B05.C17.o1.gp	Method	AAT/GAP
Start	5553	End	8043
GI	uC-osflcyp174h04b1	Score	997
Exons	5553..5656, 5929..5986, 6059..6300, 6566..6637, 7286..7352, 8016..8043		
GI Descrip.	'6094553/gb\|AAF03495.1\|AC010676_5 2.0e-59 (AC010676) unknown protein [Arabidopsis thaliana]'		

Seq. No.	31396	Seq. ID	OJ990729_03.9B05.C17
Gene No.	64953	Strand	-
Start	23011	End	24247
Name	OJ990729_03.9B05.C17.o2.tm	Method	TBLASTX:Maize
Start	5064	End	5189
GI	none	Score	183
Exons	5064..5189, 5064..5189		

Seq. No.	31396	Seq. ID	OJ990729_03.9B05.C17
Gene No.	64953	Strand	-
Start	23011	End	24247
Name	OJ990729_03.9B05.C17.o1.tc	Method	TBLASTX:Cress
Start	5320	End	6652
GI	none	Score	75
Exons	5320..5442, 5336..5395, 5450..5683, 5484..5654, 5486..5671, 5917..5988, 6058..6099, 6169..6303, 6563..6652, 6567..6638		

Seq. No.	31396	Seq. ID	OJ990729_03.9B05.C17
Gene No.	64953	Strand	-
Start	23011	End	24247
Name	OJ990729_03.9B05.C17.o1.tm	Method	TBLASTX:Maize
Start	5552	End	8297
GI	none	Score	89
Exons	5552..5671, 5565..5657, 5917..5988, 5927..5998, 6056..6100, 6058..6123, 6244..6303, 6554..6631, 6563..6652, 6567..6635, 7283..7354, 8010..8060, 8012..8059, 8154..8297, 8157..8297		

Seq. No.	31396	Seq. ID	OJ990729_03.9B05.C17
Gene No.	64953	Strand	-
Start	23011	End	24247
Name	OJ990729_03.9B05.C17.o1.ts	Method	TBLASTX:Soybean
Start	7286	End	8623
GI	none	Score	112
Exons	7286..7354, 8012..8059, 8154..8357, 8197..8301, 8555..8623		

Seq. No.	31396	Seq. ID	OJ990729_03.9B05.C17
Gene No.	64953	Strand	-
Start	23011	End	24247
Name	OJ990729_03.9B05.C17.o2.tc	Method	TBLASTX:Cress
Start	8153	End	8850
GI	none	Score	116

Exons	8153..8296, 8154..8297, 8157..8342, 8197..8301, 8313..8405, 8555..8623, 8776..8850		
Seq. No.	31396	Seq. ID	OJ990729_03.9B05.C17
Gene No.	64953	Strand	-
Start	23011	End	24247
Name	OJ990729_03.9B05.C17.o3.gs	Method	GENSCAN
Start	23011	End	24247
GI	none	Score	.57
Exons	23011..23233, 23884..24070, 24149..24247		
Seq. No.	31396	Seq. ID	OJ990729_03.9B05.C17
Gene No.	64953	Strand	-
Start	23011	End	24247
Name	OJ990729_03.9B05.C17.o3.np	Method	AAT/NAP
Start	23874	End	24247
GI	2213588	Score	187
Exons	23874..24247		
GI Descrip.	(AC000348) T7N9.8 [Arabidopsis thaliana]		
Seq. No.	31396	Seq. ID	OJ990729_03.9B05.C17
Gene No.	64953	Strand	-
Start	23011	End	24247
Name	OJ990729_03.9B05.C17.o3.tc	Method	TBLASTX:Cress
Start	23907	End	24243
GI	none	Score	90
Exons	23907..23945, 23973..24077, 24139..24243, 24150..24221		
Seq. No.	31397	Seq. ID	OJ990729_03.9B05.C18
Gene No.	64954	Strand	-
Start	34	End	1109
Name	OJ990729_03.9B05.C18.o1.tm	Method	TBLASTX:Maize
Start	1	End	1084
GI	none	Score	107
Exons	1..87, 1..87, 2..88, 85..138, 89..157, 90..143, 947..1084, 952..1083		
Seq. No.	31397	Seq. ID	OJ990729_03.9B05.C18
Gene No.	64954	Strand	-
Start	34	End	1109
Name	OJ990729_03.9B05.C18.o1.gs	Method	GENSCAN
Start	34	End	1109
GI	none	Score	.88
Exons	34..141, 951..1109		
Seq. No.	31398	Seq. ID	OJ990729_03.9B05.C19
Gene No.	64955	Strand	-
Start	663	End	5800
Name	OJ990729_03.9B05.C19.o1.gs	Method	GENSCAN
Start	663	End	5800
GI	none	Score	.74
Exons	663..872, 1386..1459, 1581..1692, 2362..2437, 2513..2660, 3554..3695, 4648..4772, 4877..5019, 5518..5605, 5614..5800		
Seq. No.	31398	Seq. ID	OJ990729_03.9B05.C19
Gene No.	64955	Strand	-
Start	663	End	5800

Name	OJ990729_03.9B05.C19.o1.gp	Method	AAT/GAP
Start	728	End	1436
GI	none	Score	879
Exons	728..1149, 1386..1436		

Seq. No.	31398	Seq. ID	OJ990729_03.9B05.C19
Gene No.	64955	Strand	-
Start	663	End	5800
Name	OJ990729_03.9B05.C19.o1.tc	Method	TBLASTX:Cress
Start	1366	End	2572
GI	none	Score	80
Exons	1366..1485, 1386..1475, 1582..1692, 1583..1708, 2360..2437, 2362..2466, 2501..2572, 2527..2571		

Seq. No.	31398	Seq. ID	OJ990729_03.9B05.C19
Gene No.	64955	Strand	-
Start	663	End	5800
Name	OJ990729_03.9B05.C19.o1.tm	Method	TBLASTX:Maize
Start	1384	End	3696
GI	none	Score	120
Exons	1384..1476, 1386..1478, 1386..1487, 1387..1479, 1582..1695, 1582..1692, 2192..2245, 2360..2437, 2362..2436, 2480..2659, 2481..2660, 2485..2664, 2570..2680, 3538..3696, 3549..3695		

Seq. No.	31398	Seq. ID	OJ990729_03.9B05.C19
Gene No.	64955	Strand	-
Start	663	End	5800
Name	OJ990729_03.9B05.C19.o1.tw	Method	TBLASTX:Wheat
Start	2401	End	4917
GI	none	Score	54
Exons	2401..2481, 2404..2445, 2480..2686, 2485..2661, 2567..2662, 3537..3695, 3554..3685, 3555..3686, 4879..4917, 4880..4912		

Seq. No.	31398	Seq. ID	OJ990729_03.9B05.C19
Gene No.	64955	Strand	-
Start	663	End	5800
Name	OJ990729_03.9B05.C19.o2.gp	Method	AAT/GAP
Start	2529	End	5056
GI	701857	Score	790
Exons	2529..2659, 3554..3695, 4877..5056		

Seq. No.	31399	Seq. ID	OJ990729_03.9B05.C21
Gene No.	64956	Strand	-
Start	309	End	745
Name	OJ990729_03.9B05.C21.o1.gs	Method	GENSCAN
Start	309	End	745
GI	none	Score	.89
Exons	309..393, 430..745		

Seq. No.	31400	Seq. ID	OJ990909_07.9B15.C2
Gene No.	64957	Strand	+
Start	1425	End	1643
Name	OJ990909_07.9B15.C2.o1.gs	Method	GENSCAN
Start	1425	End	1643
GI	none	Score	.94
Exons	1425..1643		

Seq. No.	31400	Seq. ID	OJ990909_07.9B15.C2
Gene No.	64958	Strand	-
Start	2155	End	2945
Name	OJ990909_07.9B15.C2.o2.gs	Method	GENSCAN
Start	2155	End	2945
GI	none	Score	.84
Exons	2155..2225, 2903..2945		

Seq. No.	31401	Seq. ID	OJ990909_07.9B15.C5
Gene No.	64959	Strand	
Start	6	End	200
Name	OJ990909_07.9B15.C5.o2.tm	Method	TBLASTX:Maize
Start	6	End	200
GI	none	Score	180
Exons	6..188, 20..187, 24..200		

Seq. No.	31401	Seq. ID	OJ990909_07.9B15.C5
Gene No.	64960	Strand	
Start	230	End	773
Name	OJ990909_07.9B15.C5.o1.tm	Method	TBLASTX:Maize
Start	230	End	701
GI	none	Score	332
Exons	230..448, 231..602, 468..602, 620..697, 669..701		

Seq. No.	31401	Seq. ID	OJ990909_07.9B15.C5
Gene No.	64960	Strand	
Start	230	End	773
Name	OJ990909_07.9B15.C5.o1.tw	Method	TBLASTX:Wheat
Start	429	End	773
GI	none	Score	139
Exons	429..617, 514..759, 563..757, 633..770, 669..773		

Seq. No.	31402	Seq. ID	OJ990909_07.9B15.C7
Gene No.	64961	Strand	-
Start	140	End	5526
Name	OJ990909_07.9B15.C7.o1.gs	Method	GENSCAN
Start	140	End	5526
GI	none	Score	.72
Exons	140..380, 444..684, 964..1078, 1307..1528, 1553..1622, 1628..1840, 1889..2127, 2367..2500, 2519..2615, 2666..2788, 5391..5526		

Seq. No.	31402	Seq. ID	OJ990909_07.9B15.C7
Gene No.	64961	Strand	-
Start	140	End	5526
Name	OJ990909_07.9B15.C7.o1.tm	Method	TBLASTX:Maize
Start	570	End	899
GI	none	Score	185
Exons	570..788, 571..831, 858..899		

Seq. No.	31403	Seq. ID	OJ990909_07.9B15.C8
Gene No.	64962	Strand	-
Start	725	End	4679
Name	OJ990909_07.9B15.C8.o2.np	Method	AAT/NAP
Start	725	End	4657
GI	5734621	Score	735
Exons	725..759, 3871..4030, 4068..4235, 4341..4429, 4518..4657		

GI Descrip. (AP000391) ESTs AU067992(C11433),AU077424(C11433) correspond to a region of the predicted gene.; Similar to ABC transporter-7 (U43892) [Oryza sativa]

Seq. No.	31403	Seq. ID	OJ990909_07.9B15.C8
Gene No.	64962	Strand	-
Start	725	End	4679
Name	OJ990909_07.9B15.C8.o1.gs	Method	GENSCAN
Start	1361	End	4679
GI	none	Score	.76
Exons	1361..2128, 2214..2363, 2447..3034, 3112..3316, 3995..4030, 4117..4679		

Seq. No.	31403	Seq. ID	OJ990909_07.9B15.C8
Gene No.	64962	Strand	-
Start	725	End	4679
Name	OJ990909_07.9B15.C8.o1.np	Method	AAT/NAP
Start	1364	End	3237
GI	2252860	Score	589
Exons	1364..1994, 2040..2120, 2203..2350, 2633..3031, 3112..3237		
GI Descrip.	(AF013294) No definition line found [Arabidopsis thaliana]		

Seq. No.	31403	Seq. ID	OJ990909_07.9B15.C8
Gene No.	64962	Strand	-
Start	725	End	4679
Name	OJ990909_07.9B15.C8.o1.tm	Method	TBLASTX:Maize
Start	1692	End	2291
GI	none	Score	35
Exons	1692..1718, 1817..1855, 1847..1879, 1853..1972, 1854..1877, 1890..1970, 1974..2114, 1977..2114, 1978..2115, 1995..2129, 2211..2291, 2214..2291		

Seq. No.	31403	Seq. ID	OJ990909_07.9B15.C8
Gene No.	64962	Strand	-
Start	725	End	4679
Name	OJ990909_07.9B15.C8.o1.ts	Method	TBLASTX:Soybean
Start	2265	End	2725
GI	none	Score	63
Exons	2265..2327, 2271..2309, 2325..2363, 2332..2373, 2466..2546, 2468..2500, 2591..2725, 2591..2719		

Seq. No.	31403	Seq. ID	OJ990909_07.9B15.C8
Gene No.	64962	Strand	-
Start	725	End	4679
Name	OJ990909_07.9B15.C8.o1.gp	Method	AAT/GAP
Start	2437	End	3332
GI	30021_1.R1084	Score	1495
Exons	2437..3034, 3112..3332		
GI Descrip.	'2252860 6.0e-12 (AF013294) No definition line found [Arabidopsis thaliana]'		

Seq. No.	31403	Seq. ID	OJ990909_07.9B15.C8
Gene No.	64962	Strand	-
Start	725	End	4679
Name	OJ990909_07.9B15.C8.o2.tm	Method	TBLASTX:Maize
Start	2591	End	2794
GI	none	Score	113

Exons	2591..2794, 2637..2792		
Seq. No.	31404	Seq. ID	OJ990909_07.9B15.C10
Gene No.	64963	Strand	+
Start	1380	End	2730
Name	OJ990909_07.9B15.C10.o1.np	Method	AAT/NAP
Start	1380	End	2730
GI	5922628	Score	66
Exons	1380..1403, 2533..2730		
GI Descrip.	(AP000492) hypothetical protein [Oryza sativa] gi\|6016861\|dbj\|BAA85204.1\| (AP000570) hypothetical protein [Oryza sativa]		
Seq. No.	31404	Seq. ID	OJ990909_07.9B15.C10
Gene No.	64964	Strand	-
Start	1108	End	2592
Name	OJ990909_07.9B15.C10.o1.gs	Method	GENSCAN
Start	1108	End	2592
GI	none	Score	.79
Exons	1108..1169, 2023..2133, 2457..2592		
Seq. No.	31405	Seq. ID	OJ990909_07.9B15.C11
Gene No.	64965	Strand	+
Start	4454	End	4978
Name	OJ990909_07.9B15.C11.o1.np	Method	AAT/NAP
Start	4454	End	4978
GI	3152583	Score	168
Exons	4454..4978		
GI Descrip.	(AC002986) Contains similarity to inhibitor of apoptosis protein gb\|U45881 from D. melanogaster. [Arabidopsis thaliana]		
Seq. No.	31405	Seq. ID	OJ990909_07.9B15.C11
Gene No.	64966	Strand	+
Start	7744	End	9511
Name	OJ990909_07.9B15.C11.o2.np	Method	AAT/NAP
Start	7744	End	9511
GI	1041704	Score	67
Exons	7744..7770, 9355..9511		
GI Descrip.	(U30478) expansin At-EXP5 [Arabidopsis thaliana]		
Seq. No.	31405	Seq. ID	OJ990909_07.9B15.C11
Gene No.	64967	Strand	-
Start	2871	End	8133
Name	OJ990909_07.9B15.C11.o2.gs	Method	GENSCAN
Start	2871	End	8133
GI	none	Score	.72
Exons	2871..3021, 4373..4474, 4578..4811, 5458..5548, 5754..5888, 7584..8133		
Seq. No.	31405	Seq. ID	OJ990909_07.9B15.C11
Gene No.	64968	Strand	-
Start	15695	End	15802
Name	OJ990909_07.9B15.C11.o3.np	Method	AAT/NAP
Start	15695	End	15802
GI	5922619	Score	76
Exons	15695..15802		
GI Descrip.	(AP000492) hypothetical protein [Oryza sativa]		

gi|6016852|dbj|BAA85195.1| (AP000570) hypothetical protein [Oryza sativa]

Seq. No.	31405	Seq. ID	OJ990909_07.9B15.C11
Gene No.	64969	Strand	-
Start	21367	End	24326
Name	OJ990909_07.9B15.C11.o1.tm	Method	TBLASTX:Maize
Start	4438	End	4708
GI	none	Score	128
Exons	4438..4659, 4440..4568, 4448..4708, 4451..4708		

Seq. No.	31405	Seq. ID	OJ990909_07.9B15.C11
Gene No.	64969	Strand	-
Start	21367	End	24326
Name	OJ990909_07.9B15.C11.o4.np	Method	AAT/NAP
Start	21367	End	24326
GI	5042463	Score	175
Exons	21367..21387, 21905..22039, 22762..23097, 24209..24326		
GI Descrip.	(AC007789) unknown protein [Oryza sativa]		

Seq. No.	31406	Seq. ID	OJ990909_07.9B15.C15
Gene No.	64970	Strand	+
Start	1	End	419
Name	OJ990909_07.9B15.C15.o1.np	Method	AAT/NAP
Start	1	End	419
GI	3152583	Score	141
Exons	1..419		
GI Descrip.	(AC002986) Contains similarity to inhibitor of apoptosis protein gb\|U45881 from D. melanogaster. [Arabidopsis thaliana]		

Seq. No.	31406	Seq. ID	OJ990909_07.9B15.C15
Gene No.	64970	Strand	+
Start	1	End	419
Name	OJ990909_07.9B15.C15.o1.tm	Method	TBLASTX:Maize
Start	3	End	149
GI	none	Score	179
Exons	3..149, 3..149		

Seq. No.	31406	Seq. ID	OJ990909_07.9B15.C15
Gene No.	64970	Strand	+
Start	1	End	419
Name	OJ990909_07.9B15.C15.o1.gs	Method	GENSCAN
Start	141	End	419
GI	none	Score	.78
Exons	141..419		

Seq. No.	31407	Seq. ID	OJ990909_07.9B15.C16
Gene No.	64971	Strand	+
Start	1	End	1332
Name	OJ990909_07.9B15.C16.o1.np	Method	AAT/NAP
Start	1	End	1332
GI	4582447	Score	572
Exons	1..1332		
GI Descrip.	(AC007071) putative non-LTR retroelement reverse transcriptase [Arabidopsis thaliana]		

Seq. No.	31407	Seq. ID	OJ990909_07.9B15.C16

Gene No.	64971	Strand	+
Start	1	End	1332
Name	OJ990909_07.9B15.C16.o2.tw	Method	TBLASTX:Wheat
Start	14	End	376
GI	none	Score	314
Exons	14..376, 58..375		

Seq. No.	31407	Seq. ID	OJ990909_07.9B15.C16
Gene No.	64971	Strand	+
Start	1	End	1332
Name	OJ990909_07.9B15.C16.o1.gs	Method	GENSCAN
Start	303	End	1139
GI	none	Score	.75
Exons	303..1139		

Seq. No.	31407	Seq. ID	OJ990909_07.9B15.C16
Gene No.	64971	Strand	+
Start	1	End	1332
Name	OJ990909_07.9B15.C16.o2.tm	Method	TBLASTX:Maize
Start	394	End	568
GI	none	Score	191
Exons	394..489, 395..568, 416..514		

Seq. No.	31407	Seq. ID	OJ990909_07.9B15.C16
Gene No.	64971	Strand	+
Start	1	End	1332
Name	OJ990909_07.9B15.C16.o1.tm	Method	TBLASTX:Maize
Start	653	End	1330
GI	none	Score	605
Exons	653..1330, 676..1161, 1136..1303		

Seq. No.	31407	Seq. ID	OJ990909_07.9B15.C16
Gene No.	64971	Strand	+
Start	1	End	1332
Name	OJ990909_07.9B15.C16.o1.tw	Method	TBLASTX:Wheat
Start	707	End	1015
GI	none	Score	322
Exons	707..1015, 707..925, 739..978		

Seq. No.	31407	Seq. ID	OJ990909_07.9B15.C16
Gene No.	64971	Strand	+
Start	1	End	1332
Name	OJ990909_07.9B15.C16.o3.tw	Method	TBLASTX:Wheat
Start	1016	End	1291
GI	none	Score	98
Exons	1016..1129, 1018..1122, 1139..1291, 1243..1275		

Seq. No.	31408	Seq. ID	OJ990909_07.9B15.C18
Gene No.	64972	Strand	-
Start	604	End	2924
Name	OJ990909_07.9B15.C18.o3.np	Method	AAT/NAP
Start	604	End	2152
GI	5091497	Score	81
Exons	604..670, 1710..1804, 2020..2152		
CI Descrip.	(AB023482) Similar to Arabidopsis thaliana mRNA for DREB1B, complete cds.(AB007788) [Oryza sativa]		

Seq. No.	31408	Seq. ID	OJ990909_07.9B15.C18
Gene No.	64972	Strand	-
Start	604	End	2924
Name	OJ990909_07.9B15.C18.o1.np	Method	AAT/NAP
Start	1245	End	1983
GI	4539658	Score	199
Exons	1245..1363, 1404..1551, 1914..1983		
GI Descrip.	(AF061282) serine carboxypeptidase-like protein [Sorghum bicolor]		

Seq. No.	31408	Seq. ID	OJ990909_07.9B15.C18
Gene No.	64972	Strand	-
Start	604	End	2924
Name	OJ990909_07.9B15.C18.o2.np	Method	AAT/NAP
Start	1245	End	2924
GI	4539658	Score	207
Exons	1245..1363, 1404..1576, 1840..2007, 2880..2924		
GI Descrip.	(AF061282) serine carboxypeptidase-like protein [Sorghum bicolor]		

Seq. No.	31409	Seq. ID	OJ990909_07.9B15.C19
Gene No.	64973	Strand	+
Start	711	End	3474
Name	OJ990909_07.9B15.C19.o1.np	Method	AAT/NAP
Start	711	End	3472
GI	3510251	Score	1599
Exons	711..815, 1409..2009, 2368..3472		
GI Descrip.	(AC005310) unknown protein [Arabidopsis thaliana]		

Seq. No.	31409	Seq. ID	OJ990909_07.9B15.C19
Gene No.	64973	Strand	+
Start	711	End	3474
Name	OJ990909_07.9B15.C19.o1.gs	Method	GENSCAN
Start	1347	End	3474
GI	none	Score	.93
Exons	1347..2009, 2368..3474		

Seq. No.	31409	Seq. ID	OJ990909_07.9B15.C19
Gene No.	64974	Strand	+
Start	13814	End	15920
Name	OJ990909_07.9B15.C19.o3.np	Method	AAT/NAP
Start	13814	End	15920
GI	4678270	Score	104
Exons	13814..13892, 15877..15920		
GI Descrip.	(AL049660) protein kinase-like protein [Arabidopsis thaliana]		

Seq. No.	31409	Seq. ID	OJ990909_07.9B15.C19
Gene No.	64974	Strand	+
Start	13814	End	15920
Name	OJ990909_07.9B15.C19.o4.np	Method	AAT/NAP
Start	15428	End	15581
GI	4678270	Score	90
Exons	15428..15581		
GI Descrip.	(AL049660) protein kinase-like protein [Arabidopsis thaliana]		

Seq. No.	31409	Seq. ID	OJ990909_07.9B15.C19
Gene No.	64975	Strand	+

Start	18497	End	20603
Name	OJ990909_07.9B15.C19.o5.np	Method	AAT/NAP
Start	18497	End	20603
GI	4678270	Score	92
Exons	18497..18645, 20525..20603		
GI Descrip.	(AL049660) protein kinase-like protein [Arabidopsis thaliana]		

Seq. No.	31409	Seq. ID	OJ990909_07.9B15.C19
Gene No.	64976	Strand	+
Start	21378	End	22100
Name	OJ990909_07.9B15.C19.o4.gs	Method	GENSCAN
Start	21378	End	22100
GI	none	Score	.95
Exons	21378..21451, 21647..22100		

Seq. No.	31409	Seq. ID	OJ990909_07.9B15.C19
Gene No.	64977	Strand	+
Start	26757	End	27346
Name	OJ990909_07.9B15.C19.o6.gs	Method	GENSCAN
Start	26757	End	27346
GI	none	Score	.91
Exons	26757..26979, 27063..27207, 27256..27346		

Seq. No.	31409	Seq. ID	OJ990909_07.9B15.C19
Gene No.	64978	Strand	-
Start	7164	End	8763
Name	OJ990909_07.9B15.C19.o2.np	Method	AAT/NAP
Start	7161	End	8748
GI	121784	Score	1746
Exons	7161..8450, 8536..8748		
GI Descrip.	ENDOGLUCANASE 1 PRECURSOR (ENDO-1,4-BETA-GLUCANASE) (ABSCISSION CELLULASE 1) gi\|99497\|pir\|\|S11946 cellulase (EC 3.2.1.4) cell precursor - avocado gi\|20417\|emb\|CAA42569\| (X59944) cellulase [Persea americana] gi\|166947 (M17634) cellulase [Persea americana] gi\|225894\|prf\|\|1402357A cellulase [Persea americana]		

Seq. No.	31409	Seq. ID	OJ990909_07.9B15.C19
Gene No.	64978	Strand	-
Start	7164	End	8763
Name	OJ990909_07.9B15.C19.o2.gs	Method	GENSCAN
Start	7164	End	8763
GI	none	Score	.97
Exons	7164..8450, 8536..8763		

Seq. No.	31409	Seq. ID	OJ990909_07.9B15.C19
Gene No.	64979	Strand	-
Start	11188	End	20647
Name	OJ990909_07.9B15.C19.o3.gs	Method	GENSCAN
Start	11188	End	20647
GI	none	Score	.86
Exons	11188..11333, 12508..12542, 13023..13212, 13910..14081, 19294..19391, 19575..19670, 19851..19957, 20043..20104, 20177..20647		

Seq. No.	31409	Seq. ID	OJ990909_07.9B15.C19
Gene No.	64979	Strand	-
Start	11188	End	20647

Name	OJ990909_07.9B15.C19.o1.gp	Method	AAT/GAP
Start	18910	End	20104
GI	3613_1.R1084	Score	1291
Exons	18910..19200, 19294..19435, 19575..19670, 19851..19957, 20043..20104		
GI Descrip.	'4733953/gb\|AC006193.3\|AC006193 6.0e-11 Arabidopsis thaliana chromosome I BAC F13O11 genomic sequence, complete sequence'		

Seq. No.	31409	Seq. ID	OJ990909_07.9B15.C19
Gene No.	64979	Strand	-
Start	11188	End	20647
Name	OJ990909_07.9B15.C19.o6.np	Method	AAT/NAP
Start	19389	End	20647
GI	6633822	Score	828
Exons	19389..19435, 19575..19670, 19851..19957, 20043..20104, 20177..20437, 20465..20647		
GI Descrip.	(AC009519) F1N19.25 [Arabidopsis thaliana]		

Seq. No.	31409	Seq. ID	OJ990909_07.9B15.C19
Gene No.	64980	Strand	-
Start	25216	End	25542
Name	OJ990909_07.9B15.C19.o3.tm	Method	TBLASTX:Maize
Start	1323	End	3243
GI	none	Score	208
Exons	1323..1364, 1364..1435, 2865..3038, 2866..3036, 3039..3242, 3040..3243		

Seq. No.	31409	Seq. ID	OJ990909_07.9B15.C19
Gene No.	64980	Strand	-
Start	25216	End	25542
Name	OJ990909_07.9B15.C19.o4.ts	Method	TBLASTX:Soybean
Start	1334	End	1796
GI	none	Score	298
Exons	1334..1522, 1404..1796, 1601..1726		

Seq. No.	31409	Seq. ID	OJ990909_07.9B15.C19
Gene No.	64980	Strand	-
Start	25216	End	25542
Name	OJ990909_07.9B15.C19.o2.tc	Method	TBLASTX:Cress
Start	1404	End	2006
GI	none	Score	398
Exons	1404..1925, 1406..1507, 1601..1726, 1838..1924, 1959..2006		

Seq. No.	31409	Seq. ID	OJ990909_07.9B15.C19
Gene No.	64980	Strand	-
Start	25216	End	25542
Name	OJ990909_07.9B15.C19.o7.ts	Method	TBLASTX:Soybean
Start	2355	End	2637
GI	none	Score	231
Exons	2355..2627, 2356..2637		

Seq. No.	31409	Seq. ID	OJ990909_07.9B15.C19
Gene No.	64980	Strand	-
Start	25216	End	25542
Name	OJ990909_07.9B15.C19.o5.tc	Method	TBLASTX:Cress
Start	2515	End	2832
GI	none	Score	209

Exons	2515..2832, 2709..2783		
Seq. No.	31409	Seq. ID	OJ990909_07.9B15.C19
Gene No.	64980	Strand	-
Start	25216	End	25542
Name	OJ990909_07.9B15.C19.o6.ts	Method	TBLASTX:Soybean
Start	2719	End	3051
GI	none	Score	174
Exons	2719..2907, 2733..2885, 2911..3051, 2922..3047		
Seq. No.	31409	Seq. ID	OJ990909_07.9B15.C19
Gene No.	64980	Strand	-
Start	25216	End	25542
Name	OJ990909_07.9B15.C19.o1.tw	Method	TBLASTX:Wheat
Start	2914	End	3264
GI	none	Score	439
Exons	2914..3264, 2914..2994, 2922..3263		
Seq. No.	31409	Seq. ID	OJ990909_07.9B15.C19
Gene No.	64980	Strand	-
Start	25216	End	25542
Name	OJ990909_07.9B15.C19.o3.tc	Method	TBLASTX:Cress
Start	3102	End	3426
GI	none	Score	408
Exons	3102..3419, 3103..3426		
Seq. No.	31409	Seq. ID	OJ990909_07.9B15.C19
Gene No.	64980	Strand	-
Start	25216	End	25542
Name	OJ990909_07.9B15.C19.o3.ts	Method	TBLASTX:Soybean
Start	3108	End	3420
GI	none	Score	360
Exons	3108..3419, 3109..3420		
Seq. No.	31409	Seq. ID	OJ990909_07.9B15.C19
Gene No.	64980	Strand	-
Start	25216	End	25542
Name	OJ990909_07.9B15.C19.o5.tm	Method	TBLASTX:Maize
Start	3243	End	3432
GI	none	Score	285
Exons	3243..3428, 3244..3432		
Seq. No.	31409	Seq. ID	OJ990909_07.9B15.C19
Gene No.	64980	Strand	-
Start	25216	End	25542
Name	OJ990909_07.9B15.C19.o2.ts	Method	TBLASTX:Soybean
Start	7168	End	7757
GI	none	Score	37
Exons	7168..7230, 7170..7340, 7255..7332, 7329..7517, 7345..7500, 7587..7757, 7618..7725		
Seq. No.	31409	Seq. ID	OJ990909_07.9B15.C19
Gene No.	64980	Strand	-
Start	25216	End	25542
Name	OJ990909_07.9B15.C19.o1.tc	Method	TBLASTX:Cress
Start	7179	End	8662
GI	none	Score	265

Exons	7179..7514, 7180..7500, 7587..7688, 7588..7683, 7689..8282, 7690..7740, 7909..8040, 8095..8286, 8268..8450, 8275..8448, 8337..8492, 8363..8491, 8533..8661, 8534..8620, 8591..8662		
Seq. No.	31409	Seq. ID	OJ990909_07.9B15.C19
Gene No.	64980	Strand	-
Start	25216	End	25542
Name	OJ990909_07.9B15.C19.o3.tw	Method	TBLASTX:Wheat
Start	7227	End	7517
GI	none	Score	78
Exons	7227..7367, 7228..7317, 7389..7517, 7390..7485		
Seq. No.	31409	Seq. ID	OJ990909_07.9B15.C19
Gene No.	64980	Strand	-
Start	25216	End	25542
Name	OJ990909_07.9B15.C19.o2.tm	Method	TBLASTX:Maize
Start	7276	End	8330
GI	none	Score	64
Exons	7276..7323, 7278..7325, 7389..7475, 7390..7479, 7587..7760, 7597..7740, 7785..7832, 7878..7979, 7903..7983, 8088..8282, 8092..8247, 8271..8330		
Seq. No.	31409	Seq. ID	OJ990909_07.9B15.C19
Gene No.	64980	Strand	-
Start	25216	End	25542
Name	OJ990909_07.9B15.C19.o1.ts	Method	TBLASTX:Soybean
Start	7851	End	8679
GI	none	Score	80
Exons	7851..7988, 7995..8282, 8098..8247, 8268..8321, 8328..8447, 8337..8462, 8347..8448, 8533..8679, 8534..8620		
Seq. No.	31409	Seq. ID	OJ990909_07.9B15.C19
Gene No.	64980	Strand	-
Start	25216	End	25542
Name	OJ990909_07.9B15.C19.o2.tw	Method	TBLASTX:Wheat
Start	8283	End	8658
GI	none	Score	89
Exons	8283..8330, 8355..8444, 8358..8444, 8545..8658, 8546..8617		
Seq. No.	31409	Seq. ID	OJ990909_07.9B15.C19
Gene No.	64980	Strand	-
Start	25216	End	25542
Name	OJ990909_07.9B15.C19.o4.tm	Method	TBLASTX:Maize
Start	8337	End	8661
GI	none	Score	124
Exons	8337..8456, 8347..8448, 8533..8661, 8546..8620		
Seq. No.	31409	Seq. ID	OJ990909_07.9B15.C19
Gene No.	64980	Strand	-
Start	25216	End	25542
Name	OJ990909_07.9B15.C19.o6.tm	Method	TBLASTX:Maize
Start	13683	End	18551
GI	none	Score	191
Exons	13683..13868, 13683..13868, 13708..13869, 15277..15432, 15298..15432, 15388..15483, 15434..15481, 18345..18551, 18366..18551		

Seq. No.	31409	Seq. ID	OJ990909_07.9B15.C19
Gene No.	64980	Strand	-
Start	25216	End	25542
Name	OJ990909_07.9B15.C19.o1.tm	Method	TBLASTX:Maize
Start	19573	End	20371
GI	none	Score	130
Exons	19573..19692, 19577..19669, 19827..19895, 19829..19954, 19837..19959, 19852..19956, 20057..20107, 20058..20105, 20174..20371, 20175..20363		

Seq. No.	31409	Seq. ID	OJ990909_07.9B15.C19
Gene No.	64980	Strand	-
Start	25216	End	25542
Name	OJ990909_07.9B15.C19.o6.tc	Method	TBLASTX:Cress
Start	19573	End	19959
GI	none	Score	82
Exons	19573..19692, 19574..19666, 19829..19957, 19837..19959, 19855..19959		

Seq. No.	31409	Seq. ID	OJ990909_07.9B15.C19
Gene No.	64980	Strand	-
Start	25216	End	25542
Name	OJ990909_07.9B15.C19.o5.ts	Method	TBLASTX:Soybean
Start	19922	End	20326
GI	none	Score	71
Exons	19922..19960, 19924..19959, 20018..20107, 20040..20105, 20174..20326, 20175..20318		

Seq. No.	31409	Seq. ID	OJ990909_07.9B15.C19
Gene No.	64980	Strand	-
Start	25216	End	25542
Name	OJ990909_07.9B15.C19.o4.tc	Method	TBLASTX:Cress
Start	20306	End	20558
GI	none	Score	57
Exons	20306..20407, 20307..20357, 20465..20554, 20472..20558		

Seq. No.	31409	Seq. ID	OJ990909_07.9B15.C19
Gene No.	64980	Strand	-
Start	25216	End	25542
Name	OJ990909_07.9B15.C19.o5.gs	Method	GENSCAN
Start	25216	End	25542
GI	none	Score	.8
Exons	25216..25542		

Seq. No.	31410	Seq. ID	OJ991109_17.9C27.C2
Gene No.	64981	Strand	+
Start	828	End	1075
Name	OJ991109_17.9C27.C2.o1.gs	Method	GENSCAN
Start	828	End	1075
GI	none	Score	.4
Exons	828..933, 957..1075		

Seq. No.	31410	Seq. ID	OJ991109_17.9C27.C2
Gene No.	64982	Strand	+
Start	2568	End	7362
Name	OJ991109_17.9C27.C2.o2.gs	Method	GENSCAN
Start	2568	End	6723

GI	none	Score	.47
Exons	2568..2696, 2971..3102, 4819..4879, 6236..6295, 6632..6723		

Seq. No.	31410	Seq. ID	OJ991109_17.9C27.C2
Gene No.	64982	Strand	+
Start	2568	End	7362
Name	OJ991109_17.9C27.C2.o1.np	Method	AAT/NAP
Start	4040	End	7362
GI	6721512	Score	75
Exons	4040..4068, 5830..6078, 7230..7362		
GI Descrip.	(AP001072) hypothetical protein [Oryza sativa]		

Seq. No.	31410	Seq. ID	OJ991109_17.9C27.C2
Gene No.	64983	Strand	+
Start	7533	End	7622
Name	OJ991109_17.9C27.C2.o3.np	Method	AAT/NAP
Start	7533	End	7622
GI	4680183	Score	120
Exons	7533..7622		
GI Descrip.	(AF111709) gag-pol protein [Oryza sativa subsp. indica]		

Seq. No.	31410	Seq. ID	OJ991109_17.9C27.C2
Gene No.	64984	Strand	+
Start	8649	End	9292
Name	OJ991109_17.9C27.C2.o4.np	Method	AAT/NAP
Start	8649	End	9292
GI	6721559	Score	350
Exons	8649..9119, 9147..9292		
GI Descrip.	(AP001073) hypothetical protein [Oryza sativa] gi\|6815084\|dbj\|BAA90370.1\| (AP001081) hypothetical protein [Oryza sativa]		

Seq. No.	31410	Seq. ID	OJ991109_17.9C27.C2
Gene No.	64985	Strand	+
Start	9576	End	14072
Name	OJ991109_17.9C27.C2.o4.gs	Method	GENSCAN
Start	9576	End	11893
GI	none	Score	.66
Exons	9576..9893, 10023..10583, 10613..10714, 11003..11194, 11291..11893		

Seq. No.	31410	Seq. ID	OJ991109_17.9C27.C2
Gene No.	64985	Strand	+
Start	9576	End	14072
Name	OJ991109_17.9C27.C2.o5.np	Method	AAT/NAP
Start	9844	End	14072
GI	4206306	Score	1501
Exons	9844..12084, 14051..14072		
GI Descrip.	(AF049110) prpol [Zea mays]		

Seq. No.	31410	Seq. ID	OJ991109_17.9C27.C2
Gene No.	64985	Strand	+
Start	9576	End	14072
Name	OJ991109_17.9C27.C2.o6.np	Method	AAT/NAP
Start	12135	End	13479
GI	6630699	Score	89
Exons	12135..12156, 13361..13479		

GI Descrip.	(AP000969) hypothetical protein [Oryza sativa] gi\|6721536\|dbj\|BAA89566.1\| (AP001073) hypothetical protein [Oryza sativa]		
Seq. No.	31410	Seq. ID	OJ991109_17.9C27.C2
Gene No.	64986	Strand	-
Start	5439	End	7500
Name	OJ991109_17.9C27.C2.o2.np	Method	AAT/NAP
Start	5439	End	7500
GI	6721561	Score	138
Exons	5439..5460, 7411..7500		
GI Descrip.	(AP001073) EST AU082058(C12976) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa] gi\|6815086\|dbj\|BAA90372.1\| (AP001081) EST AU082058(C12976) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		
Seq. No.	31410	Seq. ID	OJ991109_17.9C27.C2
Gene No.	64987	Strand	-
Start	8081	End	8950
Name	OJ991109_17.9C27.C2.o3.gs	Method	GENSCAN
Start	8081	End	8950
GI	none	Score	.99
Exons	8081..8370, 8416..8506, 8597..8950		
Seq. No.	31410	Seq. ID	OJ991109_17.9C27.C2
Gene No.	64988	Strand	-
Start	11999	End	14072
Name	OJ991109_17.9C27.C2.o3.tw	Method	TBLASTX:Wheat
Start	8569	End	11971
GI	none	Score	53
Exons	8569..8643, 11554..11643, 11717..11971, 11732..11869		
Seq. No.	31410	Seq. ID	OJ991109_17.9C27.C2
Gene No.	64988	Strand	-
Start	11999	End	14072
Name	OJ991109_17.9C27.C2.o4.tw	Method	TBLASTX:Wheat
Start	10101	End	10454
GI	none	Score	70
Exons	10101..10226, 10232..10453, 10278..10454		
Seq. No.	31410	Seq. ID	OJ991109_17.9C27.C2
Gene No.	64988	Strand	-
Start	11999	End	14072
Name	OJ991109_17.9C27.C2.o2.tw	Method	TBLASTX:Wheat
Start	10658	End	11011
GI	none	Score	310
Exons	10658..11011, 10684..11010, 10718..11011		
Seq. No.	31410	Seq. ID	OJ991109_17.9C27.C2
Gene No.	64988	Strand	-
Start	11999	End	14072
Name	OJ991109_17.9C27.C2.o1.tm	Method	TBLASTX:Maize
Start	10786	End	11143
GI	none	Score	393
Exons	10786..11142, 10787..11143		

Seq. No.	31410	Seq. ID	OJ991109_17.9C27.C2
Gene No.	64988	Strand	-
Start	11999	End	14072
Name	OJ991109_17.9C27.C2.o1.tw	Method	TBLASTX:Wheat
Start	11012	End	11431
GI	none	Score	419
Exons	11012..11431, 11012..11287, 11218..11430		

Seq. No.	31410	Seq. ID	OJ991109_17.9C27.C2
Gene No.	64988	Strand	-
Start	11999	End	14072
Name	OJ991109_17.9C27.C2.o2.tm	Method	TBLASTX:Maize
Start	11171	End	11554
GI	none	Score	365
Exons	11171..11554, 11192..11443, 11212..11541		

Seq. No.	31410	Seq. ID	OJ991109_17.9C27.C2
Gene No.	64988	Strand	-
Start	11999	End	14072
Name	OJ991109_17.9C27.C2.o1.ts	Method	TBLASTX:Soybean
Start	11306	End	11641
GI	none	Score	250
Exons	11306..11641, 11323..11448		

Seq. No.	31410	Seq. ID	OJ991109_17.9C27.C2
Gene No.	64988	Strand	-
Start	11999	End	14072
Name	OJ991109_17.9C27.C2.o5.gs	Method	GENSCAN
Start	11999	End	13810
GI	none	Score	.73
Exons	11999..12165, 12741..12830, 13750..13810		

Seq. No.	31410	Seq. ID	OJ991109_17.9C27.C2
Gene No.	64988	Strand	-
Start	11999	End	14072
Name	OJ991109_17.9C27.C2.o7.np	Method	AAT/NAP
Start	13619	End	14072
GI	5922619	Score	121
Exons	13619..13718, 14020..14072		
GI Descrip.	(AP000492) hypothetical protein [Oryza sativa] gi\|6016852\|dbj\|BAA85195.1\| (AP000570) hypothetical protein [Oryza sativa]		

Seq. No.	31411	Seq. ID	OJ991109_17.9C27.C3
Gene No.	64989	Strand	+
Start	781	End	2125
Name	OJ991109_17.9C27.C3.o2.np	Method	AAT/NAP
Start	781	End	2125
GI	6630699	Score	80
Exons	781..839, 2042..2125		
GI Descrip.	(AP000969) hypothetical protein [Oryza sativa] gi\|6721536\|dbj\|BAA89566.1\| (AP001073) hypothetical protein [Oryza sativa]		

Seq. No.	31411	Seq. ID	OJ991109_17.9C27.C3
Gene No.	64990	Strand	+
Start	7124	End	15980

Name	OJ991109_17.9C27.C3.o3.gs	Method	GENSCAN
Start	7124	End	15980
GI	none	Score	.59
Exons	7124..7186, 8469..8535, 10410..10477, 12637..13959, 14019..15980		

Seq. No.	31411	Seq. ID	OJ991109_17.9C27.C3
Gene No.	64990	Strand	+
Start	7124	End	15980
Name	OJ991109_17.9C27.C3.o3.np	Method	AAT/NAP
Start	9415	End	10768
GI	6967113	Score	596
Exons	9415..10768		
GI Descrip.	(AL138652) putative protein [Arabidopsis thaliana]		

Seq. No.	31411	Seq. ID	OJ991109_17.9C27.C3
Gene No.	64990	Strand	+
Start	7124	End	15980
Name	OJ991109_17.9C27.C3.o4.np	Method	AAT/NAP
Start	12652	End	15779
GI	4680203	Score	1598
Exons	12652..14369, 14526..14750, 15027..15779		
GI Descrip.	(AF114171) TNP2-like protein [Sorghum bicolor]		

Seq. No.	31411	Seq. ID	OJ991109_17.9C27.C3
Gene No.	64991	Strand	-
Start	1	End	3034
Name	OJ991109_17.9C27.C3.o1.np	Method	AAT/NAP
Start	1	End	1986
GI	5922620	Score	150
Exons	1..20, 588..798, 1389..1468, 1836..1986		
GI Descrip.	(AP000492) EST D15357(C0514) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa] gi\|6016853\|dbj\|BAA85196.1\| (AP000570) EST D15357(C0514) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	31411	Seq. ID	OJ991109_17.9C27.C3
Gene No.	64991	Strand	-
Start	1	End	3034
Name	OJ991109_17.9C27.C3.o1.gs	Method	GENSCAN
Start	1718	End	3034
GI	none	Score	.66
Exons	1718..1906, 2036..2119, 2759..2959, 3011..3034		

Seq. No.	31411	Seq. ID	OJ991109_17.9C27.C3
Gene No.	64992	Strand	-
Start	4440	End	10798
Name	OJ991109_17.9C27.C3.o2.gs	Method	GENSCAN
Start	4440	End	6735
GI	none	Score	.74
Exons	4440..4730, 4828..5093, 5164..5591, 5618..5813, 5898..6121, 6215..6735		

Seq. No.	31411	Seq. ID	OJ991109_17.9C27.C3
Gene No.	64992	Strand	-
Start	4440	End	10798
Name	OJ991109_17.9C27.C3.o7.tw	Method	TBLASTX:Wheat

Start	4583	End	10386
GI	none	Score	59
Exons	4583..4651, 10039..10140, 10041..10157, 10162..10314, 10179..10298, 10306..10386		

Seq. No.	31411	Seq. ID	OJ991109_17.9C27.C3
Gene No.	64992	Strand	-
Start	4440	End	10798
Name	OJ991109_17.9C27.C3.o7.tm	Method	TBLASTX:Maize
Start	9400	End	9591
GI	none	Score	195
Exons	9400..9591, 9417..9584		

Seq. No.	31411	Seq. ID	OJ991109_17.9C27.C3
Gene No.	64992	Strand	-
Start	4440	End	10798
Name	OJ991109_17.9C27.C3.o1.tm	Method	TBLASTX:Maize
Start	9676	End	10640
GI	none	Score	774
Exons	9676..10593, 9699..9893, 9715..9957, 10032..10298, 10365..10640		

Seq. No.	31411	Seq. ID	OJ991109_17.9C27.C3
Gene No.	64992	Strand	-
Start	4440	End	10798
Name	OJ991109_17.9C27.C3.o4.tw	Method	TBLASTX:Wheat
Start	9742	End	10038
GI	none	Score	300
Exons	9742..10038, 9762..9968		

Seq. No.	31411	Seq. ID	OJ991109_17.9C27.C3
Gene No.	64992	Strand	-
Start	4440	End	10798
Name	OJ991109_17.9C27.C3.o2.ts	Method	TBLASTX:Soybean
Start	10243	End	10768
GI	none	Score	57
Exons	10243..10299, 10359..10580, 10369..10596, 10583..10768		

Seq. No.	31411	Seq. ID	OJ991109_17.9C27.C3
Gene No.	64992	Strand	-
Start	4440	End	10798
Name	OJ991109_17.9C27.C3.o5.tw	Method	TBLASTX:Wheat
Start	10393	End	10798
GI	none	Score	143
Exons	10393..10593, 10610..10753, 10760..10798		

Seq. No.	31411	Seq. ID	OJ991109_17.9C27.C3
Gene No.	64993	Strand	
Start	10841	End	11415
Name	OJ991109_17.9C27.C3.o3.tm	Method	TBLASTX:Maize
Start	10841	End	11320
GI	none	Score	41
Exons	10841..10867, 10891..11067, 10937..11221, 11234..11320		

Seq. No.	31411	Seq. ID	OJ991109_17.9C27.C3
Gene No.	64993	Strand	
Start	10841	End	11415
Name	OJ991109_17.9C27.C3.o3.tw	Method	TBLASTX:Wheat

Start	11045	End	11415
GI	none	Score	329
Exons	11045..11413, 11126..11413, 11290..11415		

Seq. No.	31411	Seq. ID	OJ991109_17.9C27.C3
Gene No.	64994	Strand	
Start	11492	End	11824
Name	OJ991109_17.9C27.C3.o6.tm	Method	TBLASTX:Maize
Start	11492	End	11824
GI	none	Score	178
Exons	11492..11674, 11500..11688, 11548..11679, 11684..11785, 11786..11824		

Seq. No.	31411	Seq. ID	OJ991109_17.9C27.C3
Gene No.	64995	Strand	
Start	13132	End	13821
Name	OJ991109_17.9C27.C3.o2.tw	Method	TBLASTX:Wheat
Start	13132	End	13725
GI	none	Score	224
Exons	13132..13422, 13180..13311, 13290..13424, 13480..13596, 13483..13581, 13600..13725, 13617..13724		

Seq. No.	31411	Seq. ID	OJ991109_17.9C27.C3
Gene No.	64995	Strand	
Start	13132	End	13821
Name	OJ991109_17.9C27.C3.o1.ts	Method	TBLASTX:Soybean
Start	13150	End	13422
GI	none	Score	280
Exons	13150..13422, 13167..13415		

Seq. No.	31411	Seq. ID	OJ991109_17.9C27.C3
Gene No.	64995	Strand	
Start	13132	End	13821
Name	OJ991109_17.9C27.C3.o3.ts	Method	TBLASTX:Soybean
Start	13465	End	13740
GI	none	Score	206
Exons	13465..13740, 13500..13739		

Seq. No.	31411	Seq. ID	OJ991109_17.9C27.C3
Gene No.	64995	Strand	
Start	13132	End	13821
Name	OJ991109_17.9C27.C3.o2.tc	Method	TBLASTX:Cress
Start	13489	End	13821
GI	none	Score	273
Exons	13489..13821, 13575..13625, 13665..13766		

Seq. No.	31411	Seq. ID	OJ991109_17.9C27.C3
Gene No.	64995	Strand	
Start	13132	End	13821
Name	OJ991109_17.9C27.C3.o4.tm	Method	TBLASTX:Maize
Start	13585	End	13800
GI	none	Score	274
Exons	13585..13800, 13595..13756, 13599..13790		

Seq. No.	31411	Seq. ID	OJ991109_17.9C27.C3
Gene No.	64996	Strand	
Start	13725	End	13908

Name	OJ991109_17.9C27.C3.o6.tw	Method	TBLASTX:Wheat
Start	13725	End	13908
GI	none	Score	201
Exons	13725..13862, 13726..13908		

Seq. No.	31411	Seq. ID	OJ991109_17.9C27.C3
Gene No.	64997	Strand	
Start	14679	End	15833
Name	OJ991109_17.9C27.C3.o2.tm	Method	TBLASTX:Maize
Start	14679	End	14999
GI	none	Score	343
Exons	14679..14996, 14684..14998, 14685..14999		

Seq. No.	31411	Seq. ID	OJ991109_17.9C27.C3
Gene No.	64997	Strand	
Start	14679	End	15833
Name	OJ991109_17.9C27.C3.o1.tw	Method	TBLASTX:Wheat
Start	14688	End	15773
GI	none	Score	486
Exons	14688..15356, 14693..15268, 15365..15547, 15375..15563, 15540..15641, 15551..15670, 15672..15773, 15674..15766		

Seq. No.	31411	Seq. ID	OJ991109_17.9C27.C3
Gene No.	64997	Strand	
Start	14679	End	15833
Name	OJ991109_17.9C27.C3.o1.tc	Method	TBLASTX:Cress
Start	14931	End	15356
GI	none	Score	313
Exons	14931..15356, 14939..15268		

Seq. No.	31411	Seq. ID	OJ991109_17.9C27.C3
Gene No.	64997	Strand	
Start	14679	End	15833
Name	OJ991109_17.9C27.C3.o5.tm	Method	TBLASTX:Maize
Start	15249	End	15539
GI	none	Score	146
Exons	15249..15419, 15297..15413, 15431..15538, 15432..15539		

Seq. No.	31411	Seq. ID	OJ991109_17.9C27.C3
Gene No.	64997	Strand	
Start	14679	End	15833
Name	OJ991109_17.9C27.C3.o4.ts	Method	TBLASTX:Soybean
Start	15621	End	15833
GI	none	Score	186
Exons	15621..15833, 15621..15779		

Seq. No.	31412	Seq. ID	OJ991109_17.9C27.C4
Gene No.	64998	Strand	+
Start	713	End	1783
Name	OJ991109_17.9C27.C4.o1.gs	Method	GENSCAN
Start	713	End	1783
GI	none	Score	.94
Exons	713..910, 1001..1783		

Seq. No.	31413	Seq. ID	OJ991109_17.9C27.C5
Gene No.	64999	Strand	+
Start	31	End	6385

Name	OJ991109_17.9C27.C5.o1.gs	Method	GENSCAN
Start	31	End	4415
GI	none	Score	.55
Exons	31..340, 507..645, 1715..1760, 3066..4415		

Seq. No.	31413	Seq. ID	OJ991109_17.9C27.C5
Gene No.	64999	Strand	+
Start	31	End	6385
Name	OJ991109_17.9C27.C5.o1.gp	Method	AAT/GAP
Start	1423	End	1808
GI	uC-osflcyp033a04b1	Score	633
Exons	1423..1808		
GI Descrip.	'6016845/dbj\|AP000570.1\|AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		

Seq. No.	31413	Seq. ID	OJ991109_17.9C27.C5
Gene No.	64999	Strand	+
Start	31	End	6385
Name	OJ991109_17.9C27.C5.o2.np	Method	AAT/NAP
Start	3045	End	6385
GI	4680179	Score	606
Exons	3045..3929, 4100..4302, 6353..6385		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	31413	Seq. ID	OJ991109_17.9C27.C5
Gene No.	64999	Strand	+
Start	31	End	6385
Name	OJ991109_17.9C27.C5.o3.np	Method	AAT/NAP
Start	4222	End	6385
GI	130582	Score	41
Exons	4222..4387, 6355..6385		
GI Descrip.	RETROVIRUS-RELATED POL POLYPROTEIN FROM TRANSPOSON TNT 1-94 [CONTAINS: PROTEASE ; REVERSE TRANSCRIPTASE ; ENDONUCLEASE] gi\|100342\|pir\|\|S04273 hypothetical protein - common tobacco gi\|20045\|emb\|CAA32025\| (X13777) ORF [Nicotiana tabacum]		

Seq. No.	31413	Seq. ID	OJ991109_17.9C27.C5
Gene No.	65000	Strand	-
Start	1	End	6385
Name	OJ991109_17.9C27.C5.o1.np	Method	AAT/NAP
Start	1	End	5305
GI	5852180	Score	669
Exons	1..499, 551..668, 1658..1714, 5110..5305		
GI Descrip.	(AL117265) zhb00010.1 [Oryza sativa]		

Seq. No.	31413	Seq. ID	OJ991109_17.9C27.C5
Gene No.	65000	Strand	-
Start	1	End	6385
Name	OJ991109_17.9C27.C5.o4.np	Method	AAT/NAP
Start	2527	End	6385
GI	5852180	Score	59
Exons	2527..2669, 5615..5651, 6035..6385		
GI Descrip.	(AL117265) zhb00010.1 [Oryza sativa]		

Seq. No.	31413	Seq. ID	OJ991109_17.9C27.C5
Gene No.	65000	Strand	-
Start	1	End	6385

Name	OJ991109_17.9C27.C5.o1.tw	Method	TBLASTX:Wheat
Start	3288	End	3647
GI	none	Score	278
Exons	3288..3647, 3290..3643		

Seq. No.	31413	Seq. ID	OJ991109_17.9C27.C5
Gene No.	65000	Strand	-
Start	1	End	6385
Name	OJ991109_17.9C27.C5.o1.tm	Method	TBLASTX:Maize
Start	3528	End	3827
GI	none	Score	227
Exons	3528..3827, 3542..3631		

Seq. No.	31414	Seq. ID	OJ991109_17.9C27.C7
Gene No.	65001	Strand	+
Start	2350	End	19145
Name	OJ991109_17.9C27.C7.o1.gs	Method	GENSCAN
Start	2350	End	8920
GI	none	Score	.49
Exons	2350..2498, 3221..3432, 3506..3558, 3663..3801, 4268..4629, 5559..5618, 6370..6550, 6683..6782, 6801..7001, 7774..8120, 8478..8578, 8705..8920		

Seq. No.	31414	Seq. ID	OJ991109_17.9C27.C7
Gene No.	65001	Strand	+
Start	2350	End	19145
Name	OJ991109_17.9C27.C7.o1.np	Method	AAT/NAP
Start	3510	End	10165
GI	5091513	Score	1188
Exons	3510..3569, 6313..6728, 6758..7022, 7860..8637, 9321..9530, 9683..10165		
GI Descrip.	(AB023482) Hypothetical protein [Oryza sativa]		

Seq. No.	31414	Seq. ID	OJ991109_17.9C27.C7
Gene No.	65001	Strand	+
Start	2350	End	19145
Name	OJ991109_17.9C27.C7.o2.gs	Method	GENSCAN
Start	9491	End	19145
GI	none	Score	.53
Exons	9491..9562, 9603..9835, 9837..10051, 11783..11888, 12195..12252, 12265..12358, 12473..12573, 12793..12859, 13805..13856, 13948..14180, 14445..14563, 14639..14716, 16791..16876, 16936..17007, 18385..18536, 18979..19145		

Seq. No.	31414	Seq. ID	OJ991109_17.9C27.C7
Gene No.	65001	Strand	+
Start	2350	End	19145
Name	OJ991109_17.9C27.C7.o2.np	Method	AAT/NAP
Start	12222	End	12304
GI	6630699	Score	89
Exons	12222..12304		
GI Descrip.	(AP000969) hypothetical protein [Oryza sativa] gi\|6721536\|dbj\|BAA89566.1\| (AP001073) hypothetical protein [Oryza sativa]		

Seq. No.	31414	Seq. ID	OJ991109_17.9C27.C7
Gene No.	65001	Strand	+

Start	2350	End	19145
Name	OJ991109_17.9C27.C7.o3.np	Method	AAT/NAP
Start	12431	End	12859
GI	6539570	Score	203
Exons	12431..12632, 12793..12859		
GI Descrip.	(AP000836) hypothetical protein [Oryza sativa]		

Seq. No.	31414	Seq. ID	OJ991109_17.9C27.C7
Gene No.	65002	Strand	+
Start	27782	End	28240
Name	OJ991109_17.9C27.C7.o2.gp	Method	AAT/GAP
Start	27782	End	28240
GI	4968598	Score	722
Exons	27782..28240		

Seq. No.	31414	Seq. ID	OJ991109_17.9C27.C7
Gene No.	65003	Strand	+
Start	28417	End	30078
Name	OJ991109_17.9C27.C7.o6.np	Method	AAT/NAP
Start	28417	End	30078
GI	6539588	Score	136
Exons	28417..28692, 30017..30078		
GI Descrip.	(AP000837) hypothetical protein [Oryza sativa]		

Seq. No.	31414	Seq. ID	OJ991109_17.9C27.C7
Gene No.	65004	Strand	-
Start	11391	End	11704
Name	OJ991109_17.9C27.C7.o1.gp	Method	AAT/GAP
Start	11391	End	11704
GI	72524_1.R1084	Score	423
Exons	11391..11704		
GI Descrip.	'5091496/dbj\|AB023482.2\|AB023482 3.0e-84 Oryza sativa genomic DNA, chromosome 6, clone P0680A03, complete sequence'		

Seq. No.	31414	Seq. ID	OJ991109_17.9C27.C7
Gene No.	65005	Strand	-
Start	22625	End	24767
Name	OJ991109_17.9C27.C7.o4.np	Method	AAT/NAP
Start	19445	End	23442
GI	4388825	Score	247
Exons	19445..19490, 22733..23185, 23288..23442		
GI Descrip.	(AC006528) putative retroelement pol polyprotein [Arabidopsis thaliana]		

Seq. No.	31414	Seq. ID	OJ991109_17.9C27.C7
Gene No.	65005	Strand	-
Start	22625	End	24767
Name	OJ991109_17.9C27.C7.o3.gs	Method	GENSCAN
Start	22625	End	24767
GI	none	Score	.74
Exons	22625..23242, 23270..23493, 23634..24087, 24207..24767		

Seq. No.	31414	Seq. ID	OJ991109_17.9C27.C7
Gene No.	65006	Strand	-
Start	26816	End	31755
Name	OJ991109_17.9C27.C7.o1.tw	Method	TBLASTX:Wheat
Start	22973	End	23344

GI	none	Score	95
Exons	22973..23158, 23189..23344		

Seq. No.	31414	Seq. ID	OJ991109_17.9C27.C7
Gene No.	65006	Strand	-
Start	26816	End	31755
Name	OJ991109_17.9C27.C7.o4.gs	Method	GENSCAN
Start	26816	End	31755
GI	none	Score	.42
Exons	26816..26904, 28515..28634, 29525..29653, 30045..30120, 30163..30543, 30709..30925, 31076..31159, 31410..31551, 31599..31755		

Seq. No.	31415	Seq. ID	OJ991109_17.9C27.C8
Gene No.	65007	Strand	+
Start	2931	End	3160
Name	OJ991109_17.9C27.C8.o1.gp	Method	AAT/GAP
Start	2931	End	3160
GI	3761317	Score	343
Exons	2931..3160		
GI Descrip.	287403/dbj\|D10838\|RICSBE1 4.0e-66 Rice gene for starch branching enzyme		

Seq. No.	31415	Seq. ID	OJ991109_17.9C27.C8
Gene No.	65008	Strand	+
Start	3282	End	4083
Name	OJ991109_17.9C27.C8.o1.gs	Method	GENSCAN
Start	3282	End	4083
GI	none	Score	.78
Exons	3282..3348, 3518..3639, 3729..3872, 3981..4083		

Seq. No.	31416	Seq. ID	OJ991109_17.9C27.C9
Gene No.	65009	Strand	-
Start	122	End	174
Name	OJ991109_17.9C27.C9.o1.gs	Method	GENSCAN
Start	122	End	174
GI	none	Score	.42
Exons	122..174		

Seq. No.	31417	Seq. ID	OJ991119_18.9C21.C2
Gene No.	65010	Strand	+
Start	1	End	848
Name	OJ991119_18.9C21.C2.o1.np	Method	AAT/NAP
Start	1	End	848
GI	5441880	Score	443
Exons	1..224, 785..848		
GI Descrip.	(AP000367) EST C28952(C62945) corresponds to a region of the predicted gene.; Similar to maize transposon MuDR mudrA protein. (AC003981) [Oryza sativa]		

Seq. No.	31417	Seq. ID	OJ991119_18.9C21.C2
Gene No.	65010	Strand	+
Start	1	End	848
Name	OJ991119_18.9C21.C2.o1.gs	Method	GENSCAN
Start	147	End	338
GI	none	Score	.53
Exons	147..338		

Seq. No.	31418	Seq. ID	OJ991119_18.9C21.C3
Gene No.	65011	Strand	+
Start	98	End	340
Name	OJ991119_18.9C21.C3.o1.gs	Method	GENSCAN
Start	98	End	340
GI	none	Score	.7
Exons	98..340		

Seq. No.	31419	Seq. ID	OJ991119_18.9C21.C4
Gene No.	65012	Strand	+
Start	48	End	640
Name	OJ991119_18.9C21.C4.o1.gs	Method	GENSCAN
Start	48	End	640
GI	none	Score	.91
Exons	48..360, 519..640		

Seq. No.	31420	Seq. ID	OJ991119_18.9C21.C5
Gene No.	65013	Strand	-
Start	1205	End	3541
Name	OJ991119_18.9C21.C5.o1.ts	Method	TBLASTX:Soybean
Start	1200	End	1531
GI	4397580	Score	78
Exons	1200..1283, 1200..1289, 1201..1290, 1379..1531, 1380..1523		
GI Descrip.	3152576 6.0e-14 (AC002986) Similar to liver-specific transport protein gb_L27651 from Rattus norviegicus. [Arabidopsis thaliana]		

Seq. No.	31420	Seq. ID	OJ991119_18.9C21.C5
Gene No.	65013	Strand	-
Start	1205	End	3541
Name	OJ991119_18.9C21.C5.o1.gs	Method	GENSCAN
Start	1205	End	3541
GI	none	Score	.4
Exons	1205..1680, 1802..1893, 3357..3541		

Seq. No.	31420	Seq. ID	OJ991119_18.9C21.C5
Gene No.	65013	Strand	-
Start	1205	End	3541
Name	OJ991119_18.9C21.C5.o1.tw	Method	TBLASTX:Wheat
Start	1379	End	1532
GI	none	Score	172
Exons	1379..1531, 1380..1532		

Seq. No.	31420	Seq. ID	OJ991119_18.9C21.C5
Gene No.	65013	Strand	-
Start	1205	End	3541
Name	OJ991119_18.9C21.C5.o1.gp	Method	AAT/GAP
Start	1512	End	1645
GI	uC-osf1M202039g09b1	Score	176
Exons	1512..1645		
GI Descrip.	'6016845/dbj\|AP000570.1\|AP000570 6.0e-28 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		

Seq. No.	31421	Seq. ID	OJ991119_18.9C21.C6
Gene No.	65014	Strand	-
Start	1	End	2233

Name	OJ991119_18.9C21.C6.o1.np	Method	AAT/NAP
Start	1	End	2233
GI	1332411	Score	352
Exons	1..161, 382..562, 678..849, 1552..1752, 1937..2233		
GI Descrip.	(D85102) dihydroflavonol 4-reductase [Rosa hybrida]		

Seq. No.	31421	Seq. ID	OJ991119_18.9C21.C6
Gene No.	65014	Strand	-
Start	1	End	2233
Name	OJ991119_18.9C21.C6.o1.gs	Method	GENSCAN
Start	38	End	2103
GI	none	Score	.84
Exons	38..161, 379..592, 690..849, 1552..1752, 1937..2103		

Seq. No.	31421	Seq. ID	OJ991119_18.9C21.C6
Gene No.	65014	Strand	-
Start	1	End	2233
Name	OJ991119_18.9C21.C6.o2.tm	Method	TBLASTX:Maize
Start	424	End	822
GI	none	Score	90
Exons	424..549, 444..551, 549..605, 674..820, 685..822		

Seq. No.	31421	Seq. ID	OJ991119_18.9C21.C6
Gene No.	65014	Strand	-
Start	1	End	2233
Name	OJ991119_18.9C21.C6.o1.tw	Method	TBLASTX:Wheat
Start	1639	End	2104
GI	none	Score	114
Exons	1639..1755, 1642..1755, 1928..2104, 1955..2104		

Seq. No.	31421	Seq. ID	OJ991119_18.9C21.C6
Gene No.	65014	Strand	-
Start	1	End	2233
Name	OJ991119_18.9C21.C6.o1.tm	Method	TBLASTX:Maize
Start	1675	End	2125
GI	none	Score	62
Exons	1675..1776, 1675..1779, 1935..2120, 1936..2103, 1937..2125, 1937..2104		

Seq. No.	31422	Seq. ID	OJ991119_18.9C21.C7
Gene No.	65015	Strand	+
Start	1	End	1609
Name	OJ991119_18.9C21.C7.o2.np	Method	AAT/NAP
Start	1	End	1609
GI	6562752	Score	79
Exons	1..21, 1195..1609		
GI Descrip.	(AL035475) hypothetical protein, MAL4P2.50 [Plasmodium falciparum]		

Seq. No.	31422	Seq. ID	OJ991119_18.9C21.C7
Gene No.	65015	Strand	+
Start	1	End	1609
Name	OJ991119_18.9C21.C7.o1.gs	Method	GENSCAN
Start	373	End	1014
GI	none	Score	.77
Exons	373..504, 836..1014		

Seq. No.	31422	Seq. ID	OJ991119_18.9C21.C7
Gene No.	65016	Strand	-
Start	419	End	578
Name	OJ991119_18.9C21.C7.o1.np	Method	AAT/NAP
Start	419	End	578
GI	3668115	Score	89
Exons	419..578		
GI Descrip.	(Y15069) cinnamoyl-CoA reductase [Zea mays]		

Seq. No.	31423	Seq. ID	OJ991119_18.9C21.C8
Gene No.	65017	Strand	+
Start	792	End	945
Name	OJ991119_18.9C21.C8.o1.np	Method	AAT/NAP
Start	792	End	945
GI	6539586	Score	220
Exons	792..945		
GI Descrip.	(AP000837) hypothetical protein [Oryza sativa]		

Seq. No.	31424	Seq. ID	OJ991119_18.9C21.C9
Gene No.	65018	Strand	+
Start	353	End	2676
Name	OJ991119_18.9C21.C9.o1.np	Method	AAT/NAP
Start	353	End	2676
GI	5803259	Score	3405
Exons	353..1463, 1561..2676		
GI Descrip.	(AP000399) hypothetical protein [Oryza sativa]		

Seq. No.	31424	Seq. ID	OJ991119_18.9C21.C9
Gene No.	65018	Strand	+
Start	353	End	2676
Name	OJ991119_18.9C21.C9.o1.gs	Method	GENSCAN
Start	427	End	2643
GI	none	Score	.74
Exons	427..1463, 1561..2643		

Seq. No.	31425	Seq. ID	OJ991119_18.9C21.C10
Gene No.	65019	Strand	-
Start	1	End	954
Name	OJ991119_18.9C21.C10.o1.np	Method	AAT/NAP
Start	1	End	954
GI	6498441	Score	1390
Exons	1..125, 219..954		
GI Descrip.	(AP000815) EST C72786(E2258) corresponds to a region of the predicted gene.; Similar to Sorghum bicolor Gypsy-Ty3 type retrotransposon RetroSor1. (AF098806) [Oryza sativa]		

Seq. No.	31425	Seq. ID	OJ991119_18.9C21.C10
Gene No.	65019	Strand	-
Start	1	End	954
Name	OJ991119_18.9C21.C10.o2.tw	Method	TBLASTX:Wheat
Start	153	End	455
GI	none	Score	168
Exons	153..455, 172..450		

Seq. No.	31425	Seq. ID	OJ991119_18.9C21.C10
Gene No.	65019	Strand	-
Start	1	End	954

Name	OJ991119_18.9C21.C10.o1.tw	Method	TBLASTX:Wheat
Start	456	End	837
GI	none	Score	169
Exons	456..836, 487..735, 495..836, 781..837		

Seq. No.	31425	Seq. ID	OJ991119_18.9C21.C10
Gene No.	65019	Strand	-
Start	1	End	954
Name	OJ991119_18.9C21.C10.o1.tm	Method	TBLASTX:Maize
Start	612	End	941
GI	none	Score	185
Exons	612..659, 651..941, 664..930		

Seq. No.	31426	Seq. ID	OJ991119_18.9C21.C12
Gene No.	65020	Strand	+
Start	211	End	2497
Name	OJ991119_18.9C21.C12.o1.gs	Method	GENSCAN
Start	211	End	2235
GI	none	Score	.91
Exons	211..306, 345..495, 765..931, 1679..1897, 1990..2235		

Seq. No.	31426	Seq. ID	OJ991119_18.9C21.C12
Gene No.	65020	Strand	+
Start	211	End	2497
Name	OJ991119_18.9C21.C12.o1.np	Method	AAT/NAP
Start	363	End	2497
GI	6689826	Score	370
Exons	363..495, 765..931, 1679..1868, 1965..2175, 2397..2497		
GI Descrip.	(AF092912) DFR-like protein [Arabidopsis thaliana]		

Seq. No.	31426	Seq. ID	OJ991119_18.9C21.C12
Gene No.	65021	Strand	-
Start	1443	End	1789
Name	OJ991119_18.9C21.C12.o1.tm	Method	TBLASTX:Maize
Start	389	End	1756
GI	none	Score	167
Exons	389..502, 393..518, 416..523, 761..931, 764..934, 1676..1756, 1690..1755		

Seq. No.	31426	Seq. ID	OJ991119_18.9C21.C12
Gene No.	65021	Strand	-
Start	1443	End	1789
Name	OJ991119_18.9C21.C12.o1.tw	Method	TBLASTX:Wheat
Start	407	End	1789
GI	none	Score	134
Exons	407..499, 408..500, 761..928, 764..913, 1676..1789, 1702..1788		

Seq. No.	31426	Seq. ID	OJ991119_18.9C21.C12
Gene No.	65021	Strand	-
Start	1443	End	1789
Name	OJ991119_18.9C21.C12.o1.gp	Method	AAT/GAP
Start	1443	End	1515
GI	LIB3431-004-P1-K1-G12	Score	96
Exons	1443..1515		
GI Descrip.	'4680203/gb\|AAD27566.1\|AF114171_7 1.0e-39 (AF114171) TNP2-like protein [Sorghum bicolor]'		

Seq. No.	31427	Seq. ID	OJ991119_18.9C21.C13
Gene No.	65022	Strand	+
Start	1512	End	4371
Name	OJ991119_18.9C21.C13.o1.gp	Method	AAT/GAP
Start	1512	End	2059
GI	uC-osflcyp017f04b1	Score	612
Exons	1512..1744, 1935..2059		
GI Descrip.	'4508073/gb\|AAD21417.1\| 2.0e-17 (AC005882) 43220 [Arabidopsis thaliana]'		

Seq. No.	31427	Seq. ID	OJ991119_18.9C21.C13
Gene No.	65022	Strand	+
Start	1512	End	4371
Name	OJ991119_18.9C21.C13.o1.np	Method	AAT/NAP
Start	1612	End	3279
GI	1706374	Score	375
Exons	1612..1744, 1935..2076, 2169..2397, 2501..2669, 2803..2992, 3071..3279		
GI Descrip.	DIHYDROFLAVONOL-4-REDUCTASE (DFR) (DIHYDROKAEMPFEROL 4-REDUCTASE) gi\|313678\|emb\|CAA28734\| (X05068) 40.1 kD A1 protein [Zea mays]		

Seq. No.	31427	Seq. ID	OJ991119_18.9C21.C13
Gene No.	65022	Strand	+
Start	1512	End	4371
Name	OJ991119_18.9C21.C13.o1.gs	Method	GENSCAN
Start	1621	End	4371
GI	none	Score	.83
Exons	1621..1744, 1935..2110, 2194..2403, 2501..2660, 2774..2993, 3069..3203, 3325..3383, 4015..4205, 4207..4371		

Seq. No.	31427	Seq. ID	OJ991119_18.9C21.C13
Gene No.	65022	Strand	+
Start	1512	End	4371
Name	OJ991119_18.9C21.C13.o2.gp	Method	AAT/GAP
Start	2752	End	3400
GI	33857_1.R1084	Score	901
Exons	2752..2993, 3069..3400		
GI Descrip.	'4508073/gb\|AAD21417.1\| 5.0e-22 (AC005882) 43220 [Arabidopsis thaliana]'		

Seq. No.	31427	Seq. ID	OJ991119_18.9C21.C13
Gene No.	65023	Strand	+
Start	5242	End	6299
Name	OJ991119_18.9C21.C13.o3.np	Method	AAT/NAP
Start	5242	End	6299
GI	6721543	Score	162
Exons	5242..5370, 6183..6299		
GI Descrip.	(AP001073) hypothetical protein [Oryza sativa]		

Seq. No.	31427	Seq. ID	OJ991119_18.9C21.C13
Gene No.	65024	Strand	+
Start	6312	End	6703
Name	OJ991119_18.9C21.C13.o4.np	Method	AAT/NAP
Start	6312	End	6703
GI	5441880	Score	682
Exons	6312..6703		

GI Descrip.	(AP000367) EST C28952(C62945) corresponds to a region of the predicted gene.; Similar to maize transposon MuDR mudrA protein. (AC003981) [Oryza sativa]		
Seq. No.	31427	Seq. ID	OJ991119_18.9C21.C13
Gene No.	65025	Strand	-
Start	2824	End	3523
Name	OJ991119_18.9C21.C13.o2.np	Method	AAT/NAP
Start	2824	End	3523
GI	5758858	Score	75
Exons	2824..2888, 3407..3523		
GI Descrip.	(AF168890) ATP synthase beta subunit [Calathea loeseneri]		

Seq. No.	31427	Seq. ID	OJ991119_18.9C21.C13
Gene No.	65026	Strand	-
Start	5256	End	5420
Name	OJ991119_18.9C21.C13.o1.tc	Method	TBLASTX:Cress
Start	1636	End	2304
GI	none	Score	80
Exons	1636..1743, 1934..2089, 2191..2304		

Seq. No.	31427	Seq. ID	OJ991119_18.9C21.C13
Gene No.	65026	Strand	-
Start	5256	End	5420
Name	OJ991119_18.9C21.C13.o2.ts	Method	TBLASTX:Soybean
Start	1644	End	2668
GI	none	Score	102
Exons	1644..1736, 1648..1737, 1985..2077, 2191..2304, 2335..2394, 2501..2668		

Seq. No.	31427	Seq. ID	OJ991119_18.9C21.C13
Gene No.	65026	Strand	-
Start	5256	End	5420
Name	OJ991119_18.9C21.C13.o1.tw	Method	TBLASTX:Wheat
Start	1656	End	2309
GI	none	Score	117
Exons	1656..1748, 1657..1749, 1934..2077, 1934..2077, 2191..2307, 2191..2277, 2220..2309		

Seq. No.	31427	Seq. ID	OJ991119_18.9C21.C13
Gene No.	65026	Strand	-
Start	5256	End	5420
Name	OJ991119_18.9C21.C13.o1.tm	Method	TBLASTX:Maize
Start	1951	End	2314
GI	none	Score	41
Exons	1951..1980, 1952..1981, 1963..2076, 1976..2077, 1976..2113, 2191..2307, 2191..2277, 2192..2314		

Seq. No.	31427	Seq. ID	OJ991119_18.9C21.C13
Gene No.	65026	Strand	-
Start	5256	End	5420
Name	OJ991119_18.9C21.C13.o2.tm	Method	TBLASTX:Maize
Start	2528	End	2946
GI	none	Score	141
Exons	2528..2668, 2530..2667, 2769..2915, 2770..2823, 2812..2925, 2827..2946, 2838..2945		

Seq. No.	31427	Seq. ID	OJ991119_18.9C21.C13
Gene No.	65026	Strand	-
Start	5256	End	5420
Name	OJ991119_18.9C21.C13.o1.ts	Method	TBLASTX:Soybean
Start	2826	End	3150
GI	none	Score	182
Exons	2826..2978, 2827..2982, 3085..3150		

Seq. No.	31427	Seq. ID	OJ991119_18.9C21.C13
Gene No.	65026	Strand	-
Start	5256	End	5420
Name	OJ991119_18.9C21.C13.o3.gp	Method	AAT/GAP
Start	5256	End	5420
GI	7406_1.R1084	Score	225
Exons	5256..5420		
GI Descrip.	'1122315/emb\|CAA63901\| 7.0e-10 (X94191) heat shock protein 17.0 [Pennisetum glaucum]'		

Seq. No.	31428	Seq. ID	OJ991119_18.9C21.C14
Gene No.	65027	Strand	+
Start	1	End	620
Name	OJ991119_18.9C21.C14.o1.gp	Method	AAT/GAP
Start	1	End	173
GI	5701669	Score	335
Exons	1..173		
GI Descrip.	5441880/dbj\|BAA82378.1\| 5.0e-75 (AP000367) EST C28952(C62945) corresponds to a region of the predicted gene.; Similar to maize transposon MuDR mudrA protein. (AC003981) [Oryza sativa]		

Seq. No.	31428	Seq. ID	OJ991119_18.9C21.C14
Gene No.	65027	Strand	+
Start	1	End	620
Name	OJ991119_18.9C21.C14.o1.tw	Method	TBLASTX:Wheat
Start	1	End	373
GI	none	Score	208
Exons	1..147, 2..199, 2..187, 193..312, 197..373, 197..343		

Seq. No.	31428	Seq. ID	OJ991119_18.9C21.C14
Gene No.	65027	Strand	+
Start	1	End	620
Name	OJ991119_18.9C21.C14.o1.np	Method	AAT/NAP
Start	1	End	620
GI	5441880	Score	251
Exons	1..143, 588..620		
GI Descrip.	(AP000367) EST C28952(C62945) corresponds to a region of the predicted gene.; Similar to maize transposon MuDR mudrA protein. (AC003981) [Oryza sativa]		

Seq. No.	31429	Seq. ID	OJ991119_18.9C21.C15
Gene No.	65028	Strand	+
Start	1	End	3605
Name	OJ991119_18.9C21.C15.o1.np	Method	AAT/NAP
Start	1	End	2435
GI	5441880	Score	1834
Exons	1..143, 729..1027, 1107..1365, 1610..1707, 1954..2085, 2201..2435		
GI Descrip.	(AP000367) EST C28952(C62945) corresponds to a region of the		

predicted gene.; Similar to maize transposon MuDR mudrA protein. (AC003981) [Oryza sativa]

Seq. No.	31429	Seq. ID	OJ991119_18.9C21.C15
Gene No.	65028	Strand	+
Start	1	End	3605
Name	OJ991119_18.9C21.C15.o1.gs	Method	GENSCAN
Start	57	End	2720
GI	none	Score	.67
Exons	57..143, 228..638, 729..980, 1159..1365, 1458..1583, 1610..1707, 1954..2085, 2149..2196, 2201..2403, 2554..2720		

Seq. No.	31429	Seq. ID	OJ991119_18.9C21.C15
Gene No.	65028	Strand	+
Start	1	End	3605
Name	OJ991119_18.9C21.C15.o1.gp	Method	AAT/GAP
Start	855	End	1357
GI	LIB3475-007-P1-K1-G8	Score	794
Exons	855..1027, 1107..1357		
GI Descrip.	'5441880/dbj\|BAA82378.1\| 5.0e-75 (AP000367) EST C28952(C62945) corresponds to a region of the predicted gene.; Similar to maize transposon MuDR mudrA protein. (AC003981) [Oryza sativa]'		

Seq. No.	31429	Seq. ID	OJ991119_18.9C21.C15
Gene No.	65028	Strand	+
Start	1	End	3605
Name	OJ991119_18.9C21.C15.o3.np	Method	AAT/NAP
Start	2297	End	3605
GI	5777617	Score	77
Exons	2297..2418, 3505..3605		
GI Descrip.	(AJ245900) CAA30375.1 protein [Oryza sativa]		

Seq. No.	31429	Seq. ID	OJ991119_18.9C21.C15
Gene No.	65028	Strand	+
Start	1	End	3605
Name	OJ991119_18.9C21.C15.o2.gp	Method	AAT/GAP
Start	2539	End	2992
GI	LIB3431-045-P1-N1-A10	Score	820
Exons	2539..2992		
GI Descrip.	'5441876/dbj\|AP000367.1\|AP000367 0.0e+00 Oryza sativa genomic DNA, chromosome 2, clone:P0437H03 (contig b)'		

Seq. No.	31429	Seq. ID	OJ991119_18.9C21.C15
Gene No.	65029	Strand	+
Start	3796	End	4837
Name	OJ991119_18.9C21.C15.o5.gp	Method	AAT/GAP
Start	3796	End	4304
GI	LIB3432-015-P1-K1-B3	Score	807
Exons	3796..4172, 4203..4304		
GI Descrip.	'5262763/emb\|CAB45911.1\| 9.0e-09 (AL080283) putative protein [Arabidopsis thaliana]'		

Seq. No.	31429	Seq. ID	OJ991119_18.9C21.C15
Gene No.	65029	Strand	+
Start	3796	End	4837
Name	OJ991119_18.9C21.C15.o4.np	Method	AAT/NAP
Start	4096	End	4837

GI	3894187	Score	99
Exons	4096..4246, 4801..4837		
GI Descrip.	(AC005662) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	31429	Seq. ID	OJ991119_18.9C21.C15
Gene No.	65030	Strand	-
Start	2935	End	3337
Name	OJ991119_18.9C21.C15.o3.gp	Method	AAT/GAP
Start	2935	End	3337
GI	7406_1.R1084	Score	651
Exons	2935..3337		
GI Descrip.	'1122315/emb\|CAA63901\| 7.0e-10 (X94191) heat shock protein 17.0 [Pennisetum glaucum]'		

Seq. No.	31429	Seq. ID	OJ991119_18.9C21.C15
Gene No.	65031	Strand	-
Start	3730	End	4259
Name	OJ991119_18.9C21.C15.o2.np	Method	AAT/NAP
Start	3223	End	3351
GI	6721543	Score	92
Exons	3223..3351		
GI Descrip.	(AP001073) hypothetical protein [Oryza sativa]		

Seq. No.	31429	Seq. ID	OJ991119_18.9C21.C15
Gene No.	65031	Strand	-
Start	3730	End	4259
Name	OJ991119_18.9C21.C15.o2.gs	Method	GENSCAN
Start	3730	End	4259
GI	none	Score	.58
Exons	3730..3749, 3872..4259		

Seq. No.	31430	Seq. ID	OJ991119_18.9C21.C16
Gene No.	65032	Strand	+
Start	596	End	1250
Name	OJ991119_18.9C21.C16.o1.tm	Method	TBLASTX:Maize
Start	589	End	1249
GI	none	Score	95
Exons	589..672, 590..676, 673..720, 676..732, 678..728, 1057..1248, 1064..1249		

Seq. No.	31430	Seq. ID	OJ991119_18.9C21.C16
Gene No.	65032	Strand	+
Start	596	End	1250
Name	OJ991119_18.9C21.C16.o1.np	Method	AAT/NAP
Start	596	End	1250
GI	2911358	Score	111
Exons	596..724, 1065..1250		
GI Descrip.	(AF041043) NADPH HC toxin reductase [Zea mays]		

Seq. No.	31430	Seq. ID	OJ991119_18.9C21.C16
Gene No.	65032	Strand	+
Start	596	End	1250
Name	OJ991119_18.9C21.C16.o1.gs	Method	GENSCAN
Start	602	End	1231
GI	none	Score	.71
Exons	602..724, 1094..1231		

Seq. No.	31430	Seq. ID	OJ991119_18.9C21.C16
Gene No.	65032	Strand	+
Start	596	End	1250
Name	OJ991119_18.9C21.C16.o1.tw	Method	TBLASTX:Wheat
Start	634	End	1239
GI	none	Score	53
Exons	634..675, 635..676, 675..728, 676..729, 1057..1239, 1064..1207		

Seq. No.	31431	Seq. ID	OJ991119_18.9C21.C17
Gene No.	65033	Strand	+
Start	1	End	4142
Name	OJ991119_18.9C21.C17.o1.np	Method	AAT/NAP
Start	1	End	2183
GI	6689826	Score	379
Exons	1..250, 1115..1274, 1684..1918, 2022..2183		
GI Descrip.	(AF092912) DFR-like protein [Arabidopsis thaliana]		

Seq. No.	31431	Seq. ID	OJ991119_18.9C21.C17
Gene No.	65033	Strand	+
Start	1	End	4142
Name	OJ991119_18.9C21.C17.o1.gs	Method	GENSCAN
Start	50	End	4142
GI	none	Score	.72
Exons	50..250, 1115..1274, 1684..1921, 2022..2143, 3652..3783, 3924..4050, 4085..4142		

Seq. No.	31432	Seq. ID	OJ991119_18.9C21.C18
Gene No.	65034	Strand	+
Start	885	End	2261
Name	OJ991119_18.9C21.C18.o1.gp	Method	AAT/GAP
Start	885	End	1878
GI	17023_1.R1084	Score	861
Exons	885..1130, 1497..1663, 1777..1878		
GI Descrip.	'4508073/gb\|AAD21417.1\| 1.0e-15 (AC005882) 43220 [Arabidopsis thaliana]'		

Seq. No.	31432	Seq. ID	OJ991119_18.9C21.C18
Gene No.	65034	Strand	+
Start	885	End	2261
Name	OJ991119_18.9C21.C18.o1.np	Method	AAT/NAP
Start	992	End	2261
GI	4115525	Score	255
Exons	992..1134, 1501..1663, 1777..2051, 2220..2261		
GI Descrip.	(AB011667) dihydroflavonol 4-reductase [Ipomoea purpurea]		

Seq. No.	31432	Seq. ID	OJ991119_18.9C21.C18
Gene No.	65034	Strand	+
Start	885	End	2261
Name	OJ991119_18.9C21.C18.o1.tc	Method	TBLASTX:Cress
Start	1001	End	1905
GI	none	Score	84
Exons	1001..1129, 1508..1663, 1774..1905		

Seq. No.	31432	Seq. ID	OJ991119_18.9C21.C18
Gene No.	65034	Strand	+
Start	885	End	2261
Name	OJ991119_18.9C21.C18.o1.gs	Method	GENSCAN

Start	1010	End	1977
GI	none	Score	.7
Exons	1010..1130, 1497..1663, 1777..1977		

Seq. No.	31432	Seq. ID	OJ991119_18.9C21.C18
Gene No.	65034	Strand	+
Start	885	End	2261
Name	OJ991119_18.9C21.C18.o1.tw	Method	TBLASTX:Wheat
Start	1042	End	1889
GI	none	Score	128
Exons	1042..1128, 1043..1129, 1048..1134, 1466..1645, 1489..1671, 1496..1639, 1497..1655, 1774..1887, 1794..1889		

Seq. No.	31432	Seq. ID	OJ991119_18.9C21.C18
Gene No.	65034	Strand	+
Start	885	End	2261
Name	OJ991119_18.9C21.C18.o1.tm	Method	TBLASTX:Maize
Start	1538	End	1914
GI	none	Score	177
Exons	1538..1663, 1538..1663, 1774..1914, 1776..1895		

Seq. No.	31433	Seq. ID	OJ991119_18.9C21.C19
Gene No.	65035	Strand	+
Start	1	End	1087
Name	OJ991119_18.9C21.C19.o1.np	Method	AAT/NAP
Start	1	End	1087
GI	6689826	Score	245
Exons	1..57, 142..298, 600..834, 934..1087		
GI Descrip.	(AF092912) DFR-like protein [Arabidopsis thaliana]		

Seq. No.	31433	Seq. ID	OJ991119_18.9C21.C19
Gene No.	65035	Strand	+
Start	1	End	1087
Name	OJ991119_18.9C21.C19.o1.gs	Method	GENSCAN
Start	202	End	1081
GI	none	Score	.6
Exons	202..298, 600..837, 934..1081		

Seq. No.	31433	Seq. ID	OJ991119_18.9C21.C19
Gene No.	65035	Strand	+
Start	1	End	1087
Name	OJ991119_18.9C21.C19.o1.ts	Method	TBLASTX:Soybean
Start	632	End	1012
GI	none	Score	80
Exons	632..697, 634..696, 746..835, 935..1012		

Seq. No.	31433	Seq. ID	OJ991119_18.9C21.C19
Gene No.	65035	Strand	+
Start	1	End	1087
Name	OJ991119_18.9C21.C19.o1.tm	Method	TBLASTX:Maize
Start	790	End	1075
GI	none	Score	56
Exons	790..837, 791..835, 793..837, 807..842, 932..1069, 948..1067, 952..1074, 953..1075		

Seq. No.	31434	Seq. ID	OJ991119_18.9C21.C20
Gene No.	65036	Strand	+

Start	1234	End	4581
Name	OJ991119_18.9C21.C20.o1.gs	Method	GENSCAN
Start	1234	End	4204
GI	none	Score	.91
Exons	1234..1419, 1861..2027, 2204..2407, 2536..2695, 2852..3065, 3180..3293, 3473..3494, 4070..4204		

Seq. No.	31434	Seq. ID	OJ991119_18.9C21.C20
Gene No.	65036	Strand	+
Start	1234	End	4581
Name	OJ991119_18.9C21.C20.o1.np	Method	AAT/NAP
Start	1302	End	4581
GI	5732928	Score	430
Exons	1302..1419, 1861..2027, 2204..2407, 2536..2707, 2882..3055, 3173..3293, 4540..4581		
GI Descrip.	(AF169801) dihydroflavonol-4-reductase [Lilium hybrid cultivar VII cv. 'Acapulco']		

Seq. No.	31434	Seq. ID	OJ991119_18.9C21.C20
Gene No.	65036	Strand	+
Start	1234	End	4581
Name	OJ991119_18.9C21.C20.o1.tm	Method	TBLASTX:Maize
Start	1313	End	2281
GI	none	Score	165
Exons	1313..1426, 1314..1427, 1839..2027, 1844..2029, 1860..2027, 1861..2028, 2201..2281, 2206..2280		

Seq. No.	31434	Seq. ID	OJ991119_18.9C21.C20
Gene No.	65036	Strand	+
Start	1234	End	4581
Name	OJ991119_18.9C21.C20.o1.tw	Method	TBLASTX:Wheat
Start	1331	End	2319
GI	none	Score	126
Exons	1331..1423, 1332..1424, 1860..2024, 1860..2009, 2170..2208, 2201..2314, 2201..2314, 2212..2319		

Seq. No.	31434	Seq. ID	OJ991119_18.9C21.C20
Gene No.	65036	Strand	+
Start	1234	End	4581
Name	OJ991119_18.9C21.C20.o1.ts	Method	TBLASTX:Soybean
Start	2893	End	3258
GI	none	Score	191
Exons	2893..3066, 2895..3062, 3181..3258, 3183..3257		

Seq. No.	31434	Seq. ID	OJ991119_18.9C21.C20
Gene No.	65036	Strand	+
Start	1234	End	4581
Name	OJ991119_18.9C21.C20.o1.gp	Method	AAT/GAP
Start	2958	End	3316
GI	2797550	Score	444
Exons	2958..3065, 3180..3316		

Seq. No.	31435	Seq. ID	OJ991119_18.9C21.C21
Gene No.	65037	Strand	+
Start	275	End	2637
Name	OJ991119_18.9C21.C21.o1.np	Method	AAT/NAP
Start	275	End	2637

GI	5042454	Score	2309
Exons	275..425, 779..885, 942..2358, 2531..2637		
GI Descrip.	(AC007789) putative polyprotein [Oryza sativa]		

Seq. No.	31435	Seq. ID	OJ991119_18.9C21.C21
Gene No.	65037	Strand	+
Start	275	End	2637
Name	OJ991119_18.9C21.C21.o1.gs	Method	GENSCAN
Start	365	End	2586
GI	none	Score	.91
Exons	365..421, 781..885, 942..2586		

Seq. No.	31435	Seq. ID	OJ991119_18.9C21.C21
Gene No.	65037	Strand	+
Start	275	End	2637
Name	OJ991119_18.9C21.C21.o1.tw	Method	TBLASTX:Wheat
Start	1614	End	2006
GI	none	Score	58
Exons	1614..1661, 1668..1766, 1673..1765, 1733..1972, 1749..2006		

Seq. No.	31435	Seq. ID	OJ991119_18.9C21.C21
Gene No.	65037	Strand	+
Start	275	End	2637
Name	OJ991119_18.9C21.C21.o1.tm	Method	TBLASTX:Maize
Start	1619	End	1904
GI	none	Score	196
Exons	1619..1903, 1656..1904		

Seq. No.	31436	Seq. ID	OJ991119_18.9C21.C22
Gene No.	65038	Strand	+
Start	1	End	2902
Name	OJ991119_18.9C21.C22.o1.np	Method	AAT/NAP
Start	1	End	2902
GI	6498441	Score	3162
Exons	1..284, 348..721, 905..1039, 1214..1640, 1833..2129, 2301..2902		
GI Descrip.	(AP000815) EST C72786(E2258) corresponds to a region of the predicted gene.; Similar to Sorghum bicolor Gypsy-Ty3 type retrotransposon RetroSor1. (AF098806) [Oryza sativa]		

Seq. No.	31436	Seq. ID	OJ991119_18.9C21.C22
Gene No.	65038	Strand	+
Start	1	End	2902
Name	OJ991119_18.9C21.C22.o5.tw	Method	TBLASTX:Wheat
Start	2	End	164
GI	none	Score	175
Exons	2..160, 3..164, 6..164		

Seq. No.	31436	Seq. ID	OJ991119_18.9C21.C22
Gene No.	65038	Strand	+
Start	1	End	2902
Name	OJ991119_18.9C21.C22.o1.gs	Method	GENSCAN
Start	60	End	2811
GI	none	Score	.47
Exons	60..269, 348..530, 549..2811		

Seq. No.	31436	Seq. ID	OJ991119_18.9C21.C22
Gene No.	65038	Strand	+

Start	1	End	2902
Name	OJ991119_18.9C21.C22.o1.tw	Method	TBLASTX:Wheat
Start	356	End	818
GI	none	Score	581
Exons	356..811, 357..818, 357..812		

Seq. No.	31436	Seq. ID	OJ991119_18.9C21.C22
Gene No.	65038	Strand	+
Start	1	End	2902
Name	OJ991119_18.9C21.C22.o2.ts	Method	TBLASTX:Soybean
Start	396	End	761
GI	none	Score	111
Exons	396..620, 627..761		

Seq. No.	31436	Seq. ID	OJ991119_18.9C21.C22
Gene No.	65038	Strand	+
Start	1	End	2902
Name	OJ991119_18.9C21.C22.o1.tm	Method	TBLASTX:Maize
Start	486	End	842
GI	none	Score	383
Exons	486..842, 521..832, 537..842		

Seq. No.	31436	Seq. ID	OJ991119_18.9C21.C22
Gene No.	65038	Strand	+
Start	1	End	2902
Name	OJ991119_18.9C21.C22.o2.tm	Method	TBLASTX:Maize
Start	869	End	1253
GI	none	Score	357
Exons	869..1234, 870..1253		

Seq. No.	31436	Seq. ID	OJ991119_18.9C21.C22
Gene No.	65038	Strand	+
Start	1	End	2902
Name	OJ991119_18.9C21.C22.o2.tw	Method	TBLASTX:Wheat
Start	926	End	1346
GI	none	Score	491
Exons	926..1339, 927..1346		

Seq. No.	31436	Seq. ID	OJ991119_18.9C21.C22
Gene No.	65038	Strand	+
Start	1	End	2902
Name	OJ991119_18.9C21.C22.o1.ts	Method	TBLASTX:Soybean
Start	1005	End	1376
GI	none	Score	277
Exons	1005..1376, 1022..1165		

Seq. No.	31436	Seq. ID	OJ991119_18.9C21.C22
Gene No.	65038	Strand	+
Start	1	End	2902
Name	OJ991119_18.9C21.C22.o3.tw	Method	TBLASTX:Wheat
Start	1873	End	2435
GI	none	Score	233
Exons	1873..1893, 2001..2225, 2016..2225, 2066..2251, 2286..2435, 2295..2432, 2297..2434		

Seq. No.	31436	Seq. ID	OJ991119_18.9C21.C22
Gene No.	65038	Strand	+

Start	1	End	2902
Name	OJ991119_18.9C21.C22.o4.tw	Method	TBLASTX:Wheat
Start	2438	End	2750
GI	none	Score	184
Exons	2438..2536, 2490..2750		

Seq. No.	31437	Seq. ID	OJ991119_18.9C21.C23
Gene No.	65039	Strand	-
Start	1	End	1753
Name	OJ991119_18.9C21.C23.o1.np	Method	AAT/NAP
Start	1	End	1753
GI	6498441	Score	334
Exons	1..253, 1694..1753		
GI Descrip.	(AP000815) EST C72786(E2258) corresponds to a region of the predicted gene.; Similar to Sorghum bicolor Gypsy-Ty3 type retrotransposon RetroSor1. (AF098806) [Oryza sativa]		

Seq. No.	31437	Seq. ID	OJ991119_18.9C21.C23
Gene No.	65039	Strand	-
Start	1	End	1753
Name	OJ991119_18.9C21.C23.o1.tm	Method	TBLASTX:Maize
Start	2	End	342
GI	none	Score	48
Exons	2..145, 33..71, 118..342, 119..289		

Seq. No.	31437	Seq. ID	OJ991119_18.9C21.C23
Gene No.	65039	Strand	-
Start	1	End	1753
Name	OJ991119_18.9C21.C23.o1.tw	Method	TBLASTX:Wheat
Start	130	End	321
GI	none	Score	103
Exons	130..321, 131..295		

Seq. No.	31437	Seq. ID	OJ991119_18.9C21.C23
Gene No.	65039	Strand	-
Start	1	End	1753
Name	OJ991119_18.9C21.C23.o1.gs	Method	GENSCAN
Start	952	End	1661
GI	none	Score	.58
Exons	952..1661		

Seq. No.	31437	Seq. ID	OJ991119_18.9C21.C23
Gene No.	65039	Strand	-
Start	1	End	1753
Name	OJ991119_18.9C21.C23.o2.np	Method	AAT/NAP
Start	955	End	1753
GI	5803259	Score	1092
Exons	955..1753		
GI Descrip.	(AP000399) hypothetical protein [Oryza sativa]		

Seq. No.	31438	Seq. ID	OJ991119_18.9C21.C24
Gene No.	65040	Strand	-
Start	443	End	1617
Name	OJ991119_18.9C21.C24.o1.gs	Method	GENSCAN
Start	443	End	1617
GI	none	Score	.58
Exons	443..1162, 1318..1424, 1529..1617		

Seq. No.	31438	Seq. ID	OJ991119_18.9C21.C24
Gene No.	65041	Strand	-
Start	3512	End	4750
Name	OJ991119_18.9C21.C24.o2.tm	Method	TBLASTX:Maize
Start	262	End	510
GI	none	Score	227
Exons	262..510, 262..429, 264..509		

Seq. No.	31438	Seq. ID	OJ991119_18.9C21.C24
Gene No.	65041	Strand	-
Start	3512	End	4750
Name	OJ991119_18.9C21.C24.o1.tc	Method	TBLASTX:Cress
Start	3500	End	4743
GI	none	Score	140
Exons	3500..3604, 3602..3745, 4583..4741, 4585..4743		

Seq. No.	31438	Seq. ID	OJ991119_18.9C21.C24
Gene No.	65041	Strand	-
Start	3512	End	4750
Name	OJ991119_18.9C21.C24.o1.gp	Method	AAT/GAP
Start	3509	End	4750
GI	969005	Score	642
Exons	3509..3816, 4587..4750		

Seq. No.	31438	Seq. ID	OJ991119_18.9C21.C24
Gene No.	65041	Strand	-
Start	3512	End	4750
Name	OJ991119_18.9C21.C24.o2.gs	Method	GENSCAN
Start	3512	End	4743
GI	none	Score	.68
Exons	3512..3816, 4587..4743		

Seq. No.	31438	Seq. ID	OJ991119_18.9C21.C24
Gene No.	65041	Strand	-
Start	3512	End	4750
Name	OJ991119_18.9C21.C24.o1.tm	Method	TBLASTX:Maize
Start	3519	End	4744
GI	none	Score	175
Exons	3519..3701, 3524..3703, 3529..3702, 3533..3706, 3710..3817, 3710..3817, 3711..3818, 3732..3821, 3733..3825, 4583..4744, 4585..4743		

Seq. No.	31438	Seq. ID	OJ991119_18.9C21.C24
Gene No.	65041	Strand	-
Start	3512	End	4750
Name	OJ991119_18.9C21.C24.o1.tw	Method	TBLASTX:Wheat
Start	3729	End	4745
GI	none	Score	106
Exons	3729..3818, 3731..3817, 3735..3821, 3736..3822, 4573..4743, 4583..4744, 4586..4744, 4587..4745		

Seq. No.	31439	Seq. ID	OJ991119_18.9C21.C25
Gene No.	65042	Strand	-
Start	1	End	9275
Name	OJ991119_18.9C21.C25.o1.gp	Method	AAT/GAP
Start	1	End	505

GI	none	Score	937
Exons	1..505		

Seq. No.	31439	Seq. ID	OJ991119_18.9C21.C25
Gene No.	65042	Strand	-
Start	1	End	9275
Name	OJ991119_18.9C21.C25.o1.gs	Method	GENSCAN
Start	67	End	9275
GI	none	Score	.69
Exons	67..397, 623..786, 873..1030, 1102..1187, 2158..2364, 2379..2483, 3079..3229, 4267..4339, 4454..4533, 4623..4716, 4830..5000, 5312..5378, 5926..5977, 6745..6833, 8262..8392, 8549..8654, 8977..9086, 9116..9275		

Seq. No.	31439	Seq. ID	OJ991119_18.9C21.C25
Gene No.	65042	Strand	-
Start	1	End	9275
Name	OJ991119_18.9C21.C25.o1.np	Method	AAT/NAP
Start	2780	End	4728
GI	4680186	Score	159
Exons	2780..3000, 4684..4728		
GI Descrip.	(AF111709) unknown [Oryza sativa subsp. indica]		

Seq. No.	31439	Seq. ID	OJ991119_18.9C21.C25
Gene No.	65042	Strand	-
Start	1	End	9275
Name	OJ991119_18.9C21.C25.o1.tc	Method	TBLASTX:Cress
Start	4146	End	4904
GI	none	Score	51
Exons	4146..4190, 4147..4203, 4268..4336, 4269..4325, 4455..4529, 4457..4531, 4597..4716, 4625..4717, 4824..4904, 4834..4878		

Seq. No.	31439	Seq. ID	OJ991119_18.9C21.C25
Gene No.	65042	Strand	-
Start	1	End	9275
Name	OJ991119_18.9C21.C25.o1.tm	Method	TBLASTX:Maize
Start	5540	End	7047
GI	none	Score	94
Exons	5540..5641, 5544..5630, 5907..5951, 5923..5979, 5927..5980, 6074..6178, 6074..6181, 6075..6179, 6075..6188, 6742..6846, 6746..6835, 6913..7044, 6920..7039, 6922..7047		

Seq. No.	31439	Seq. ID	OJ991119_18.9C21.C25
Gene No.	65042	Strand	-
Start	1	End	9275
Name	OJ991119_18.9C21.C25.o1.ts	Method	TBLASTX:Soybean
Start	5923	End	7033
GI	none	Score	35
Exons	5923..5982, 5939..6016, 6075..6188, 6087..6173, 6742..6846, 6743..6835, 6902..7033, 6913..7032, 6920..7033		

Seq. No.	31440	Seq. ID	OJ991119_18.9C21.C26
Gene No.	65043	Strand	+
Start	1	End	906
Name	OJ991119_18.9C21.C26.o1.np	Method	AAT/NAP
Start	1	End	906
GI	2982283	Score	132

Exons	1..322, 886..906		
GI Descrip.	(AF051226) PREG-like protein [Picea mariana]		

Seq. No.	31440	Seq. ID	OJ991119_18.9C21.C26
Gene No.	65043	Strand	+
Start	1	End	906
Name	OJ991119_18.9C21.C26.o1.gs	Method	GENSCAN
Start	71	End	300
GI	none	Score	.41
Exons	71..300		

Seq. No.	31441	Seq. ID	OJ991119_18.9C21.C27
Gene No.	65044	Strand	+
Start	194	End	742
Name	OJ991119_18.9C21.C27.o1.np	Method	AAT/NAP
Start	194	End	742
GI	2982283	Score	91
Exons	194..369, 551..742		
GI Descrip.	(AF051226) PREG-like protein [Picea mariana]		

Seq. No.	31441	Seq. ID	OJ991119_18.9C21.C27
Gene No.	65044	Strand	+
Start	194	End	742
Name	OJ991119_18.9C21.C27.o1.gs	Method	GENSCAN
Start	216	End	603
GI	none	Score	.95
Exons	216..603		

Seq. No.	31442	Seq. ID	OJ991119_18.9C21.C28
Gene No.	65045	Strand	+
Start	26	End	3181
Name	OJ991119_18.9C21.C28.o1.gs	Method	GENSCAN
Start	26	End	2721
GI	none	Score	.91
Exons	26..175, 263..289, 1205..1438, 1527..1574, 1678..1734, 1817..1918, 2250..2315, 2434..2535, 2608..2721		

Seq. No.	31442	Seq. ID	OJ991119_18.9C21.C28
Gene No.	65045	Strand	+
Start	26	End	3181
Name	OJ991119_18.9C21.C28.o1.gp	Method	AAT/GAP
Start	2239	End	3181
GI	13803_1.R1084	Score	953
Exons	2239..2315, 2434..2535, 2608..2730, 2930..3181		
GI Descrip.	'3935138 9.0e-30 (AC005106) T25N20.2 [Arabidopsis thaliana]'		

Seq. No.	31442	Seq. ID	OJ991119_18.9C21.C28
Gene No.	65046	Strand	-
Start	3435	End	4084
Name	OJ991119_18.9C21.C28.o1.tm	Method	TBLASTX:Maize
Start	86	End	3126
GI	none	Score	146
Exons	86..187, 89..175, 90..224, 1203..1388, 1203..1382, 1369..1437, 1385..1447, 1386..1436, 1387..1437, 1397..1441, 1521..1592, 1529..1573, 1680..1730, 1680..1730, 1681..1734, 1681..1734, 1804..1875, 1812..1910, 1814..1915, 2247..2315, 2249..2308, 2252..2332, 2253..2318, 2425..2535, 2433..2534, 2602..2721,		

2607..2720, 2609..2731, 2609..2725, 2948..3028, 2949..3029, 3011..3034, 3011..3037, 3094..3126

Seq. No.	31442	Seq. ID	OJ991119_18.9C21.C28
Gene No.	65046	Strand	-
Start	3435	End	4084
Name	OJ991119_18.9C21.C28.o1.ts	Method	TBLASTX:Soybean
Start	1369	End	2709
GI	none	Score	42
Exons	1369..1434, 1397..1435, 1521..1577, 1529..1582, 1530..1592, 1677..1730, 1678..1776, 1693..1734, 1814..1915, 1816..1875, 1859..1924, 2247..2321, 2418..2534, 2425..2535, 2598..2702, 2602..2709, 2607..2702		

Seq. No.	31442	Seq. ID	OJ991119_18.9C21.C28
Gene No.	65046	Strand	-
Start	3435	End	4084
Name	OJ991119_18.9C21.C28.o1.tc	Method	TBLASTX:Cress
Start	1530	End	2709
GI	none	Score	65
Exons	1530..1592, 1532..1576, 1677..1733, 1678..1776, 1811..1915, 1814..1915, 1825..1923, 1827..1916, 2247..2318, 2418..2519, 2422..2535, 2425..2535, 2602..2709, 2607..2702		

Seq. No.	31442	Seq. ID	OJ991119_18.9C21.C28
Gene No.	65046	Strand	-
Start	3435	End	4084
Name	OJ991119_18.9C21.C28.o2.gs	Method	GENSCAN
Start	3435	End	3779
GI	none	Score	.67
Exons	3435..3487, 3501..3576, 3686..3779		

Seq. No.	31442	Seq. ID	OJ991119_18.9C21.C28
Gene No.	65046	Strand	-
Start	3435	End	4084
Name	OJ991119_18.9C21.C28.o2.tm	Method	TBLASTX:Maize
Start	3437	End	4084
GI	none	Score	69
Exons	3437..3577, 3469..3576, 3478..3579, 3683..3745, 3687..3743, 3828..3917, 3833..3919, 3833..3910, 4008..4082, 4010..4084, 4010..4084		

Seq. No.	31443	Seq. ID	OJ991119_18.9C21.C29
Gene No.	65047	Strand	-
Start	494	End	2423
Name	OJ991119_18.9C21.C29.o1.tw	Method	TBLASTX:Wheat
Start	4	End	296
GI	none	Score	92
Exons	4..24, 6..134, 54..137, 55..138, 56..139, 68..142, 229..294, 230..292, 231..296, 231..296		

Seq. No.	31443	Seq. ID	OJ991119_18.9C21.C29
Gene No.	65047	Strand	-
Start	494	End	2423
Name	OJ991119_18.9C21.C29.o1.gs	Method	GENSCAN
Start	494	End	2291
GI	none	Score	.61

Exons	494..581, 930..1060, 1428..1459, 1623..1735, 1987..2291		
Seq. No.	31443	Seq. ID	OJ991119_18.9C21.C29
Gene No.	65047	Strand	-
Start	494	End	2423
Name	OJ991119_18.9C21.C29.o1.gp	Method	AAT/GAP
Start	1020	End	2178
GI	none	Score	651
Exons	1020..1060, 1428..1459, 1623..1735, 1987..2178		
Seq. No.	31443	Seq. ID	OJ991119_18.9C21.C29
Gene No.	65047	Strand	-
Start	494	End	2423
Name	OJ991119_18.9C21.C29.o1.tm	Method	TBLASTX:Maize
Start	2095	End	2423
GI	none	Score	227
Exons	2095..2292, 2116..2292, 2166..2300, 2390..2422, 2394..2423		
Seq. No.	31444	Seq. ID	OJ991119_18.9C21.C30
Gene No.	65048	Strand	+
Start	9673	End	10056
Name	OJ991119_18.9C21.C30.o3.gs	Method	GENSCAN
Start	9673	End	10056
GI	none	Score	.99
Exons	9673..10056		
Seq. No.	31444	Seq. ID	OJ991119_18.9C21.C30
Gene No.	65049	Strand	-
Start	154	End	1135
Name	OJ991119_18.9C21.C30.o1.gs	Method	GENSCAN
Start	154	End	1135
GI	none	Score	.49
Exons	154..229, 806..1135		
Seq. No.	31444	Seq. ID	OJ991119_18.9C21.C30
Gene No.	65050	Strand	-
Start	2177	End	10303
Name	OJ991119_18.9C21.C30.o2.gs	Method	GENSCAN
Start	2177	End	9036
GI	none	Score	.8
Exons	2177..2957, 4015..4043, 4100..4309, 4399..4905, 5166..5387, 5858..5988, 6539..7547, 7632..7706, 7797..7868, 7955..8130, 8296..8448, 8541..9036		
Seq. No.	31444	Seq. ID	OJ991119_18.9C21.C30
Gene No.	65050	Strand	-
Start	2177	End	10303
Name	OJ991119_18.9C21.C30.o1.np	Method	AAT/NAP
Start	4414	End	10303
GI	5734771	Score	1388
Exons	4414..4916, 5180..5387, 5858..5988, 6539..7247, 7353..7547, 7632..7706, 10281..10303		
GI Descrip.	(AC007980) 108 [Arabidopsis thaliana]		
Seq. No.	31444	Seq. ID	OJ991119_18.9C21.C30
Gene No.	65051	Strand	-
Start	11481	End	14719

Name	OJ991119_18.9C21.C30.o4.gs	Method	GENSCAN
Start	11481	End	14595
GI	none	Score	.78
Exons	11481..12000, 12906..13021, 13419..13580, 13949..14071, 14488..14595		

Seq. No.	31444	Seq. ID	OJ991119_18.9C21.C30
Gene No.	65051	Strand	-
Start	11481	End	14719
Name	OJ991119_18.9C21.C30.o1.gp	Method	AAT/GAP
Start	13151	End	14719
GI	21070_1.R1084	Score	1452
Exons	13151..13580, 13949..14071, 14488..14719		
GI Descrip.	'4928460/gb\|AAD33596.1\|AF133127_1 6.0e-28 (AF133127) thioredoxin h [Hevea brasiliensis]'		

Seq. No.	31444	Seq. ID	OJ991119_18.9C21.C30
Gene No.	65051	Strand	-
Start	11481	End	14719
Name	OJ991119_18.9C21.C30.o2.np	Method	AAT/NAP
Start	13431	End	14589
GI	4928460	Score	289
Exons	13431..13580, 13949..14071, 14488..14589		
GI Descrip.	(AF133127) thioredoxin h [Hevea brasiliensis]		

Seq. No.	31444	Seq. ID	OJ991119_18.9C21.C30
Gene No.	65052	Strand	-
Start	15716	End	16182
Name	OJ991119_18.9C21.C30.o4.ts	Method	TBLASTX:Soybean
Start	2336	End	2686
GI	none	Score	57
Exons	2336..2401, 2492..2686		

Seq. No.	31444	Seq. ID	OJ991119_18.9C21.C30
Gene No.	65052	Strand	-
Start	15716	End	16182
Name	OJ991119_18.9C21.C30.o1.tm	Method	TBLASTX:Maize
Start	3579	End	6009
GI	none	Score	125
Exons	3579..3692, 3580..3699, 3581..3742, 4098..4310, 4098..4310, 4100..4312, 4168..4311, 4348..4641, 4396..4644, 4397..4657, 4398..4649, 4702..4905, 4730..4906, 4731..4922, 4804..4923, 5165..5248, 5166..5384, 5167..5388, 5178..5381, 5852..5989, 5854..6009, 5858..5989		

Seq. No.	31444	Seq. ID	OJ991119_18.9C21.C30
Gene No.	65052	Strand	-
Start	15716	End	16182
Name	OJ991119_18.9C21.C30.o2.tc	Method	TBLASTX:Cress
Start	3580	End	4312
GI	none	Score	110
Exons	3580..3699, 3590..3700, 4097..4276, 4100..4312, 4104..4310		

Seq. No.	31444	Seq. ID	OJ991119 18.9C21.C30
Gene No.	65052	Strand	-
Start	15716	End	16182
Name	OJ991119_18.9C21.C30.o2.ts	Method	TBLASTX:Soybean

Start	4196	End	4913
GI	none	Score	68
Exons	4196..4324, 4199..4273, 4203..4310, 4219..4314, 4396..4548, 4397..4546, 4732..4908, 4766..4909, 4824..4913, 4859..4909		

Seq. No.	31444	Seq. ID	OJ991119_18.9C21.C30
Gene No.	65052	Strand	-
Start	15716	End	16182
Name	OJ991119_18.9C21.C30.o3.ts	Method	TBLASTX:Soybean
Start	5166	End	5404
GI	none	Score	105
Exons	5166..5390, 5226..5390, 5296..5391, 5300..5404		

Seq. No.	31444	Seq. ID	OJ991119_18.9C21.C30
Gene No.	65052	Strand	-
Start	15716	End	16182
Name	OJ991119_18.9C21.C30.o1.ts	Method	TBLASTX:Soybean
Start	5847	End	6759
GI	none	Score	99
Exons	5847..6005, 5852..5986, 6529..6759, 6531..6758		

Seq. No.	31444	Seq. ID	OJ991119_18.9C21.C30
Gene No.	65052	Strand	-
Start	15716	End	16182
Name	OJ991119_18.9C21.C30.o2.tm	Method	TBLASTX:Maize
Start	6636	End	7055
GI	none	Score	183
Exons	6636..6995, 6646..6846, 6987..7055, 6991..7053		

Seq. No.	31444	Seq. ID	OJ991119_18.9C21.C30
Gene No.	65052	Strand	-
Start	15716	End	16182
Name	OJ991119_18.9C21.C30.o1.tc	Method	TBLASTX:Cress
Start	6645	End	7076
GI	none	Score	250
Exons	6645..6863, 6646..6861, 6647..6862, 6924..6983, 6969..7076, 6991..7074		

Seq. No.	31444	Seq. ID	OJ991119_18.9C21.C30
Gene No.	65052	Strand	-
Start	15716	End	16182
Name	OJ991119_18.9C21.C30.o4.tm	Method	TBLASTX:Maize
Start	7087	End	7713
GI	none	Score	172
Exons	7087..7287, 7089..7262, 7425..7550, 7425..7445, 7447..7548, 7453..7551, 7632..7709, 7633..7713		

Seq. No.	31444	Seq. ID	OJ991119_18.9C21.C30
Gene No.	65052	Strand	-
Start	15716	End	16182
Name	OJ991119_18.9C21.C30.o5.tm	Method	TBLASTX:Maize
Start	13343	End	14608
GI	none	Score	40
Exons	13343..13369, 13347..13376, 13447..13581, 13452..13586, 13538..13594, 13706..13738, 14485..14601, 14486..14608		

Seq. No.	31444	Seq. ID	OJ991119_18.9C21.C30

Gene No.	65052	Strand	-
Start	15716	End	16182
Name	OJ991119_18.9C21.C30.o3.tm	Method	TBLASTX:Maize
Start	13945	End	14083
GI	none	Score	151
Exons	13945..14079, 13946..14083, 13946..14071, 13966..14079		

Seq. No.	31444	Seq. ID	OJ991119_18.9C21.C30
Gene No.	65052	Strand	-
Start	15716	End	16182
Name	OJ991119_18.9C21.C30.o2.gp	Method	AAT/GAP
Start	15716	End	16182
GI	none	Score	875
Exons	15716..16182		

Seq. No.	31445	Seq. ID	OJ991119_18.9C21.C31
Gene No.	65053	Strand	+
Start	406	End	9251
Name	OJ991119_18.9C21.C31.o1.gs	Method	GENSCAN
Start	406	End	9251
GI	none	Score	.67
Exons	406..490, 571..696, 1013..1172, 1220..1270, 1389..1420, 2612..2869, 4104..8264, 8694..8830, 9210..9251		

Seq. No.	31445	Seq. ID	OJ991119_18.9C21.C31
Gene No.	65053	Strand	+
Start	406	End	9251
Name	OJ991119_18.9C21.C31.o1.np	Method	AAT/NAP
Start	4112	End	8281
GI	4234852	Score	4435
Exons	4112..4272, 4315..8281		
GI Descrip.	(AF082133) gag-pol polyprotein [Zea mays]		

Seq. No.	31445	Seq. ID	OJ991119_18.9C21.C31
Gene No.	65054	Strand	-
Start	10651	End	15471
Name	OJ991119_18.9C21.C31.o1.tm	Method	TBLASTX:Maize
Start	4204	End	5215
GI	none	Score	588
Exons	4204..4782, 4205..4813, 4823..4954, 4894..4935, 5059..5109, 5150..5215		

Seq. No.	31445	Seq. ID	OJ991119_18.9C21.C31
Gene No.	65054	Strand	-
Start	10651	End	15471
Name	OJ991119_18.9C21.C31.o4.tw	Method	TBLASTX:Wheat
Start	5135	End	5572
GI	none	Score	110
Exons	5135..5332, 5402..5572		

Seq. No.	31445	Seq. ID	OJ991119_18.9C21.C31
Gene No.	65054	Strand	-
Start	10651	End	15471
Name	OJ991119_18.9C21.C31.o3.ts	Method	TBLASTX:Soybean
Start	5429	End	5815
GI	none	Score	344
Exons	5429..5815, 5440..5646		

Seq. No.	31445	Seq. ID	OJ991119_18.9C21.C31
Gene No.	65054	Strand	-
Start	10651	End	15471
Name	OJ991119_18.9C21.C31.o2.tw	Method	TBLASTX:Wheat
Start	5591	End	6253
GI	none	Score	252
Exons	5591..5830, 5605..5829, 5870..6175, 5893..6153, 6154..6228, 6155..6253		

Seq. No.	31445	Seq. ID	OJ991119_18.9C21.C31
Gene No.	65054	Strand	-
Start	10651	End	15471
Name	OJ991119_18.9C21.C31.o7.tm	Method	TBLASTX:Maize
Start	5606	End	6064
GI	none	Score	128
Exons	5606..5830, 5879..6064, 5881..6042		

Seq. No.	31445	Seq. ID	OJ991119_18.9C21.C31
Gene No.	65054	Strand	-
Start	10651	End	15471
Name	OJ991119_18.9C21.C31.o3.tc	Method	TBLASTX:Cress
Start	5870	End	6250
GI	none	Score	127
Exons	5870..6070, 6083..6250		

Seq. No.	31445	Seq. ID	OJ991119_18.9C21.C31
Gene No.	65054	Strand	-
Start	10651	End	15471
Name	OJ991119_18.9C21.C31.o6.ts	Method	TBLASTX:Soybean
Start	5870	End	6256
GI	none	Score	190
Exons	5870..6079, 5872..6051, 6083..6256		

Seq. No.	31445	Seq. ID	OJ991119_18.9C21.C31
Gene No.	65054	Strand	-
Start	10651	End	15471
Name	OJ991119_18.9C21.C31.o2.ts	Method	TBLASTX:Soybean
Start	6767	End	7204
GI	5509260	Score	365
Exons	6767..7204, 6774..6800, 6856..7128, 7171..7203		
GI Descrip.	-		

Seq. No.	31445	Seq. ID	OJ991119_18.9C21.C31
Gene No.	65054	Strand	-
Start	10651	End	15471
Name	OJ991119_18.9C21.C31.o2.tc	Method	TBLASTX:Cress
Start	6854	End	7114
GI	none	Score	249
Exons	6854..7114, 6856..7092		

Seq. No.	31445	Seq. ID	OJ991119_18.9C21.C31
Gene No.	65054	Strand	-
Start	10651	End	15471
Name	OJ991119_18.9C21.C31.o1.tw	Method	TBLASTX:Wheat
Start	6895	End	7675
GI	none	Score	364

Exons	6895..7242, 6896..7240, 6896..7249, 7225..7671, 7226..7675		
Seq. No.	31445	Seq. ID	OJ991119_18.9C21.C31
Gene No.	65054	Strand	-
Start	10651	End	15471
Name	OJ991119_18.9C21.C31.o6.tm	Method	TBLASTX:Maize
Start	6896	End	7339
GI	none	Score	275
Exons	6896..7204, 6913..7203, 7238..7339		
Seq. No.	31445	Seq. ID	OJ991119_18.9C21.C31
Gene No.	65054	Strand	-
Start	10651	End	15471
Name	OJ991119_18.9C21.C31.o5.tm	Method	TBLASTX:Maize
Start	7340	End	7771
GI	none	Score	81
Exons	7340..7501, 7475..7771, 7615..7770		
Seq. No.	31445	Seq. ID	OJ991119_18.9C21.C31
Gene No.	65054	Strand	-
Start	10651	End	15471
Name	OJ991119_18.9C21.C31.o5.ts	Method	TBLASTX:Soybean
Start	7661	End	8227
GI	none	Score	131
Exons	7661..7843, 7856..8047, 8036..8227		
Seq. No.	31445	Seq. ID	OJ991119_18.9C21.C31
Gene No.	65054	Strand	-
Start	10651	End	15471
Name	OJ991119_18.9C21.C31.o8.tm	Method	TBLASTX:Maize
Start	7784	End	8242
GI	none	Score	55
Exons	7784..7843, 7826..8002, 8051..8242		
Seq. No.	31445	Seq. ID	OJ991119_18.9C21.C31
Gene No.	65054	Strand	-
Start	10651	End	15471
Name	OJ991119_18.9C21.C31.o3.tw	Method	TBLASTX:Wheat
Start	7831	End	8230
GI	none	Score	282
Exons	7831..8064, 7835..8230		
Seq. No.	31445	Seq. ID	OJ991119_18.9C21.C31
Gene No.	65054	Strand	-
Start	10651	End	15471
Name	OJ991119_18.9C21.C31.o2.gs	Method	GENSCAN
Start	10651	End	15471
GI	none	Score	.88
Exons	10651..10794, 11252..11353, 11446..11550, 11632..11736, 12261..12302, 12541..12699, 13052..13161, 13271..13412, 13551..13697, 13780..13854, 13930..14139, 14520..14639, 14873..14925, 15038..15182, 15271..15471		
Seq. No.	31445	Seq. ID	OJ991119_18.9C21.C31
Gene No.	65054	Strand	-
Start	10651	End	15471
Name	OJ991119_18.9C21.C31.o1.gp	Method	AAT/GAP

Start	10855	End	11674
GI	25545_1.R1084	Score	1247
Exons	10855..11353, 11446..11550, 11632..11674		
GI Descrip.	'1170619/sp\|Q07970\|KATA_ARATH 5.0e-47 KINESIN-LIKE PROTEIN A >gi_479594_pir__S34830 kinesin-related protein katA - Arabidopsis thaliana >gi_303502_dbj_BAA01972_ (D11371) kinesin-like motor protein heavy chain [Arabidopsis thaliana] >gi_2911084_emb_CAA17546.1_ (AL021960) kinesin-related protein katA [Arabidopsis thaliana]'		

Seq. No.	31445	Seq. ID	OJ991119_18.9C21.C31
Gene No.	65054	Strand	-
Start	10651	End	15471
Name	OJ991119_18.9C21.C31.o1.tc	Method	TBLASTX:Cress
Start	11168	End	15185
GI	none	Score	173
Exons	11168..11377, 11214..11363, 11446..11553, 11453..11551, 11632..11739, 11636..11743, 11892..11978, 11893..11979, 12260..12388, 12389..12469, 12420..12467, 12532..12642, 12539..12631, 12637..12702, 13028..13138, 13034..13171, 13044..13187, 13269..13367, 13356..13412, 13549..13695, 13551..13700, 13781..13855, 13930..14133, 14227..14322, 14304..14423, 14350..14418, 15048..15185		

Seq. No.	31445	Seq. ID	OJ991119_18.9C21.C31
Gene No.	65054	Strand	-
Start	10651	End	15471
Name	OJ991119_18.9C21.C31.o1.ts	Method	TBLASTX:Soybean
Start	11171	End	11667
GI	none	Score	175
Exons	11171..11377, 11202..11363, 11446..11550, 11453..11551, 11635..11667, 11636..11665		

Seq. No.	31445	Seq. ID	OJ991119_18.9C21.C31
Gene No.	65054	Strand	-
Start	10651	End	15471
Name	OJ991119_18.9C21.C31.o2.np	Method	AAT/NAP
Start	11177	End	15182
GI	1170619	Score	1500
Exons	11177..11353, 11446..11550, 11632..11736, 11892..11973, 12261..12463, 12541..12699, 13052..13161, 13271..13412, 13551..13697, 13780..13854, 13930..14135, 14226..14432, 14520..14639, 14749..14857, 15038..15182		
GI Descrip.	KINESIN-LIKE PROTEIN A gi\|479594\|pir\|\|S34830 kinesin-related protein katA - Arabidopsis thaliana gi\|303502\|dbj\|BAA01972\| (D11371) kinesin-like motor protein heavy chain [Arabidopsis thaliana] gi\|2911084\|emb\|CAA17546.1\| (AL021960) kinesin-related protein katA [Arabidopsis thaliana]		

Seq. No.	31445	Seq. ID	OJ991119_18.9C21.C31
Gene No.	65054	Strand	-
Start	10651	End	15471
Name	OJ991119_18.9C21.C31.o4.tm	Method	TBLASTX:Maize
Start	11304	End	11739
GI	none	Score	68
Exons	11304..11363, 11306..11377, 11440..11547, 11446..11550, 11453..11551, 11456..11554, 11630..11692, 11635..11739,		

11636..11725

Seq. No.	31445	Seq. ID	OJ991119_18.9C21.C31
Gene No.	65054	Strand	-
Start	10651	End	15471
Name	OJ991119_18.9C21.C31.o4.ts	Method	TBLASTX:Soybean
Start	12254	End	13358
GI	none	Score	104
Exons	12254..12379, 12258..12377, 12416..12469, 12423..12467, 12532..12642, 12539..12625, 12622..12702, 12643..12720, 13028..13147, 13034..13162, 13044..13151, 13051..13155, 13266..13358		

Seq. No.	31445	Seq. ID	OJ991119_18.9C21.C31
Gene No.	65054	Strand	-
Start	10651	End	15471
Name	OJ991119_18.9C21.C31.o3.tm	Method	TBLASTX:Maize
Start	12393	End	12728
GI	none	Score	122
Exons	12393..12467, 12394..12468, 12394..12468, 12532..12702, 12541..12702, 12543..12728		

Seq. No.	31445	Seq. ID	OJ991119_18.9C21.C31
Gene No.	65054	Strand	-
Start	10651	End	15471
Name	OJ991119_18.9C21.C31.o2.tm	Method	TBLASTX:Maize
Start	13042	End	15408
GI	none	Score	49
Exons	13042..13092, 13090..13107, 13127..13171, 13128..13163, 13264..13317, 13269..13412, 13354..13413, 13548..13604, 13551..13595, 13596..13703, 13597..13698, 13751..13855, 13793..13855, 13797..13859, 13824..13865, 13876..14133, 13928..14134, 13930..14160, 13959..14177, 14224..14322, 14228..14311, 14233..14322, 14304..14432, 14317..14433, 14511..14639, 14518..14586, 14522..14641, 14746..14826, 14764..14817, 14823..14858, 15039..15185, 15058..15183, 15271..15408, 15278..15400		

Seq. No.	31445	Seq. ID	OJ991119_18.9C21.C31
Gene No.	65054	Strand	-
Start	10651	End	15471
Name	OJ991119_18.9C21.C31.o2.gp	Method	AAT/GAP
Start	14601	End	15465
GI	uC-osf1M202097d05b1	Score	865
Exons	14601..14639, 14749..14857, 15038..15182, 15271..15465		
GI Descrip.	'1170620/sp\|P46864\|KATB_ARATH 4.0e-19 KINESIN-LIKE PROTEIN B >gi_1084341_pir__S48019 kinesin-related protein katB - Arabidopsis thaliana >gi_1438842_dbj_BAA04673_ (D21137) heavy chain polypeptide of kinesin-like protein [Arabidopsis thaliana]'		

Seq. No.	31446	Seq. ID	OJ991119_18.9C21.C32
Gene No.	65055	Strand	+
Start	4793	End	9651
Name	OJ991119_18.9C21.C32.o3.gs	Method	GENSCAN
Start	4793	End	8873
GI	none	Score	.76

Exons	4793..5203, 5335..5511, 5640..5864, 6069..6218, 6308..6361, 7929..8030, 8082..8873		
Seq. No.	31446	Seq. ID	OJ991119_18.9C21.C32
Gene No.	65055	Strand	+
Start	4793	End	9651
Name	OJ991119_18.9C21.C32.o1.np	Method	AAT/NAP
Start	4805	End	9522
GI	4850399	Score	1594
Exons	4805..5203, 5335..5511, 5640..5764, 5832..5964, 6069..6218, 6308..6361, 6631..6735, 7069..7128, 7224..7298, 7382..7435, 7929..8054, 8109..8313, 8383..8795, 8892..8930, 8964..9023, 9122..9229, 9376..9522		
GI Descrip.	(AC007357) F3F19.18 [Arabidopsis thaliana]		

Seq. No.	31446	Seq. ID	OJ991119_18.9C21.C32
Gene No.	65055	Strand	+
Start	4793	End	9651
Name	OJ991119_18.9C21.C32.o2.gp	Method	AAT/GAP
Start	7941	End	8377
GI	427365	Score	681
Exons	7941..8030, 8109..8377		
GI Descrip.	4850399/gb\|AAD31069.1\|AC007357_18 1.0e-13 (AC007357) F3F19.18 [Arabidopsis thaliana]		

Seq. No.	31446	Seq. ID	OJ991119_18.9C21.C32
Gene No.	65055	Strand	+
Start	4793	End	9651
Name	OJ991119_18.9C21.C32.o3.gp	Method	AAT/GAP
Start	9189	End	9651
GI	2442924	Score	560
Exons	9189..9229, 9376..9651		
GI Descrip.	5262763/emb\|CAB45911.1\| 9.0e-09 (AL080283) putative protein [Arabidopsis thaliana]		

Seq. No.	31446	Seq. ID	OJ991119_18.9C21.C32
Gene No.	65056	Strand	+
Start	10370	End	12813
Name	OJ991119_18.9C21.C32.o4.gp	Method	AAT/GAP
Start	10356	End	10812
GI	17023_1.R1084	Score	422
Exons	10356..10490, 10654..10812		
GI Descrip.	'4508073/gb\|AAD21417.1\| 1.0e-15 (AC005882) 43220 [Arabidopsis thaliana]'		

Seq. No.	31446	Seq. ID	OJ991119_18.9C21.C32
Gene No.	65056	Strand	+
Start	10370	End	12813
Name	OJ991119_18.9C21.C32.o4.gs	Method	GENSCAN
Start	10370	End	12759
GI	none	Score	.87
Exons	10370..10490, 10654..10820, 11528..11771, 11981..12181, 12284..12518, 12609..12759		

Seq. No.	31446	Seq. ID	OJ991119_18.9C21.C32
Gene No.	65056	Strand	+
Start	10370	End	12813

Name	OJ991119_18.9C21.C32.o2.np	Method	AAT/NAP
Start	10373	End	12813
GI	5852933	Score	328
Exons	10373..10490, 10654..10820, 11528..11697, 11981..12181, 12292..12542, 12633..12813		
GI Descrip.	(AF167556) dihydroflavonol-4-reductase DFR1 [Glycine max]		

Seq. No.	31446	Seq. ID	OJ991119_18.9C21.C32
Gene No.	65057	Strand	-
Start	1	End	151
Name	OJ991119_18.9C21.C32.o1.gp	Method	AAT/GAP
Start	1	End	151
GI	63359_1.R1084	Score	302
Exons	1..151		
GI Descrip.	'5262763/emb\|CAB45911.1\| 9.0e-09 (AL080283) putative protein [Arabidopsis thaliana]'		

Seq. No.	31446	Seq. ID	OJ991119_18.9C21.C32
Gene No.	65058	Strand	-
Start	302	End	832
Name	OJ991119_18.9C21.C32.o1.gs	Method	GENSCAN
Start	302	End	832
GI	none	Score	.55
Exons	302..589, 815..832		

Seq. No.	31446	Seq. ID	OJ991119_18.9C21.C32
Gene No.	65059	Strand	-
Start	2337	End	3773
Name	OJ991119_18.9C21.C32.o2.gs	Method	GENSCAN
Start	2337	End	3773
GI	none	Score	.87
Exons	2337..2455, 3368..3773		

Seq. No.	31446	Seq. ID	OJ991119_18.9C21.C32
Gene No.	65060	Strand	-
Start	12901	End	13149
Name	OJ991119_18.9C21.C32.o4.tm	Method	TBLASTX:Maize
Start	4786	End	4951
GI	none	Score	199
Exons	4786..4899, 4787..4951		

Seq. No.	31446	Seq. ID	OJ991119_18.9C21.C32
Gene No.	65060	Strand	-
Start	12901	End	13149
Name	OJ991119_18.9C21.C32.o1.tc	Method	TBLASTX:Cress
Start	4862	End	5194
GI	none	Score	114
Exons	4862..4993, 5024..5194		

Seq. No.	31446	Seq. ID	OJ991119_18.9C21.C32
Gene No.	65060	Strand	-
Start	12901	End	13149
Name	OJ991119_18.9C21.C32.o1.ts	Method	TBLASTX:Soybean
Start	5394	End	5774
GI	none	Score	161
Exons	5394..5495, 5395..5511, 5625..5774, 5642..5764		

Seq. No.	31446	Seq. ID	OJ991119_18.9C21.C32
Gene No.	65060	Strand	-
Start	12901	End	13149
Name	OJ991119_18.9C21.C32.o3.tm	Method	TBLASTX:Maize
Start	5637	End	5928
GI	none	Score	213
Exons	5637..5795, 5637..5762, 5638..5766, 5642..5791, 5829..5867, 5830..5874, 5833..5928, 5834..5920		

Seq. No.	31446	Seq. ID	OJ991119_18.9C21.C32
Gene No.	65060	Strand	-
Start	12901	End	13149
Name	OJ991119_18.9C21.C32.o1.tm	Method	TBLASTX:Maize
Start	6147	End	9169
GI	none	Score	103
Exons	6147..6218, 6149..6211, 6305..6364, 6306..6362, 6307..6363, 6411..6461, 6637..6735, 6639..6734, 7063..7131, 7063..7128, 7203..7301, 7224..7298, 7228..7299, 7379..7438, 7381..7434, 7381..7470, 7927..8007, 7931..8041, 7931..8032, 7932..8042, 8106..8312, 8107..8310, 8109..8321, 8311..8415, 8316..8399, 8428..8496, 8566..8796, 8566..8799, 8866..9024, 8915..9022, 8922..9029, 9122..9169		

Seq. No.	31446	Seq. ID	OJ991119_18.9C21.C32
Gene No.	65060	Strand	-
Start	12901	End	13149
Name	OJ991119_18.9C21.C32.o2.ts	Method	TBLASTX:Soybean
Start	7096	End	8033
GI	none	Score	57
Exons	7096..7131, 7203..7301, 7224..7298, 7228..7299, 7379..7435, 7382..7432, 7928..8032, 7932..8033		

Seq. No.	31446	Seq. ID	OJ991119_18.9C21.C32
Gene No.	65060	Strand	-
Start	12901	End	13149
Name	OJ991119_18.9C21.C32.o3.ts	Method	TBLASTX:Soybean
Start	8754	End	9495
GI	none	Score	63
Exons	8754..8795, 8952..9029, 9121..9225, 9122..9229, 9368..9472, 9373..9438, 9376..9495		

Seq. No.	31446	Seq. ID	OJ991119_18.9C21.C32
Gene No.	65060	Strand	-
Start	12901	End	13149
Name	OJ991119_18.9C21.C32.o2.tm	Method	TBLASTX:Maize
Start	10330	End	11605
GI	none	Score	114
Exons	10330..10497, 10384..10488, 10388..10498, 10652..10816, 10653..10820, 10656..10823, 11519..11605, 11525..11605		

Seq. No.	31446	Seq. ID	OJ991119_18.9C21.C32
Gene No.	65060	Strand	-
Start	12901	End	13149
Name	OJ991119_18.9C21.C32.o1.tw	Method	TBLASTX:Wheat
Start	10402	End	11638
GI	none	Score	117
Exons	10402..10494, 10403..10495, 10656..10802, 10657..10764,		

10661..10816, 10662..10820, 11525..11638, 11554..11637

Seq. No.	31446	Seq. ID	OJ991119_18.9C21.C32
Gene No.	65060	Strand	-
Start	12901	End	13149
Name	OJ991119_18.9C21.C32.o5.tm	Method	TBLASTX:Maize
Start	12049	End	12473
GI	none	Score	117
Exons	12049..12186, 12049..12189, 12256..12390, 12267..12389, 12426..12473, 12427..12471		

Seq. No.	31446	Seq. ID	OJ991119_18.9C21.C32
Gene No.	65060	Strand	-
Start	12901	End	13149
Name	OJ991119_18.9C21.C32.o5.gs	Method	GENSCAN
Start	12901	End	13149
GI	none	Score	.86
Exons	12901..13149		

Seq. No.	31447	Seq. ID	OJ991119_18.9C21.C33
Gene No.	65061	Strand	-
Start	110	End	199
Name	OJ991119_18.9C21.C33.o1.gs	Method	GENSCAN
Start	110	End	199
GI	none	Score	.72
Exons	110..199		

Seq. No.	31448	Seq. ID	OJ991119_18.9C21.C34
Gene No.	65062	Strand	-
Start	1	End	2940
Name	OJ991119_18.9C21.C34.o1.np	Method	AAT/NAP
Start	1	End	2940
GI	6721517	Score	3619
Exons	1..1815, 1864..2640, 2699..2821, 2859..2940		
GI Descrip.	(AP001072) Similar to polyprotein. (AF061282) [Oryza sativa]		

Seq. No.	31448	Seq. ID	OJ991119_18.9C21.C34
Gene No.	65062	Strand	-
Start	1	End	2940
Name	OJ991119_18.9C21.C34.o1.tw	Method	TBLASTX:Wheat
Start	11	End	427
GI	none	Score	346
Exons	11..427, 13..426		

Seq. No.	31448	Seq. ID	OJ991119_18.9C21.C34
Gene No.	65062	Strand	-
Start	1	End	2940
Name	OJ991119_18.9C21.C34.o1.tm	Method	TBLASTX:Maize
Start	85	End	511
GI	none	Score	264
Exons	85..510, 98..511		

Seq. No.	31448	Seq. ID	OJ991119_18.9C21.C34
Gene No.	65062	Strand	-
Start	1	End	2940
Name	OJ991119_18.9C21.C34.o1.gs	Method	GENSCAN
Start	101	End	2940

GI	none	Score	.61
Exons	101..2940		

Seq. No.	31448	Seq. ID	OJ991119_18.9C21.C34
Gene No.	65062	Strand	-
Start	1	End	2940
Name	OJ991119_18.9C21.C34.o2.ts	Method	TBLASTX:Soybean
Start	145	End	390
GI	none	Score	209
Exons	145..390		

Seq. No.	31448	Seq. ID	OJ991119_18.9C21.C34
Gene No.	65062	Strand	-
Start	1	End	2940
Name	OJ991119_18.9C21.C34.o1.ts	Method	TBLASTX:Soybean
Start	412	End	807
GI	none	Score	171
Exons	412..771, 413..679, 442..759,	624..764, 775..807, 779..805	

Seq. No.	31448	Seq. ID	OJ991119_18.9C21.C34
Gene No.	65062	Strand	-
Start	1	End	2940
Name	OJ991119_18.9C21.C34.o3.tw	Method	TBLASTX:Wheat
Start	428	End	699
GI	none	Score	223
Exons	428..670, 428..547, 430..699,	433..696, 621..698	

Seq. No.	31448	Seq. ID	OJ991119_18.9C21.C34
Gene No.	65062	Strand	-
Start	1	End	2940
Name	OJ991119_18.9C21.C34.o5.tm	Method	TBLASTX:Maize
Start	528	End	693
GI	none	Score	120
Exons	528..689, 532..693, 533..688,	558..689	

Seq. No.	31448	Seq. ID	OJ991119_18.9C21.C34
Gene No.	65062	Strand	-
Start	1	End	2940
Name	OJ991119_18.9C21.C34.o2.tm	Method	TBLASTX:Maize
Start	694	End	1161
GI	none	Score	107
Exons	694..1161, 791..1090		

Seq. No.	31448	Seq. ID	OJ991119_18.9C21.C34
Gene No.	65062	Strand	-
Start	1	End	2940
Name	OJ991119_18.9C21.C34.o2.tw	Method	TBLASTX:Wheat
Start	748	End	1230
GI	none	Score	271
Exons	748..1230, 791..1126		

Seq. No.	31448	Seq. ID	OJ991119_18.9C21.C34
Gene No.	65062	Strand	-
Start	1	End	2940
Name	OJ991119_18.9C21.C34.o3.ts	Method	TBLASTX:Soybean
Start	880	End	1194
GI	none	Score	57

Exons	880..1194, 881..1078		
Seq. No.	31448	Seq. ID	OJ991119_18.9C21.C34
Gene No.	65062	Strand	-
Start	1	End	2940
Name	OJ991119_18.9C21.C34.o5.tw	Method	TBLASTX:Wheat
Start	1405	End	1806
GI	none	Score	54
Exons	1405..1578, 1436..1504, 1486..1545, 1582..1806, 1640..1792		
Seq. No.	31448	Seq. ID	OJ991119_18.9C21.C34
Gene No.	65062	Strand	-
Start	1	End	2940
Name	OJ991119_18.9C21.C34.o4.tm	Method	TBLASTX:Maize
Start	1492	End	1768
GI	none	Score	78
Exons	1492..1767, 1667..1768		
Seq. No.	31448	Seq. ID	OJ991119_18.9C21.C34
Gene No.	65062	Strand	-
Start	1	End	2940
Name	OJ991119_18.9C21.C34.o3.tm	Method	TBLASTX:Maize
Start	2134	End	2466
GI	none	Score	109
Exons	2134..2466, 2279..2443		
Seq. No.	31448	Seq. ID	OJ991119_18.9C21.C34
Gene No.	65062	Strand	-
Start	1	End	2940
Name	OJ991119_18.9C21.C34.o4.tw	Method	TBLASTX:Wheat
Start	2347	End	2727
GI	none	Score	141
Exons	2347..2727, 2348..2707		
Seq. No.	31449	Seq. ID	OJ991119_18.9C21.C36
Gene No.	65063	Strand	+
Start	973	End	1356
Name	OJ991119_18.9C21.C36.o1.gp	Method	AAT/GAP
Start	973	End	1356
GI	uC-osflcyp033a04b1	Score	669
Exons	973..1356		
GI Descrip.	'6016845/dbj\|AP000570.1\|AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		
Seq. No.	31449	Seq. ID	OJ991119_18.9C21.C36
Gene No.	65064	Strand	+
Start	2734	End	3864
Name	OJ991119_18.9C21.C36.o1.gs	Method	GENSCAN
Start	2734	End	3864
GI	none	Score	.97
Exons	2734..3864		
Seq. No.	31449	Seq. ID	OJ991119_18.9C21.C36
Gene No.	65065	Strand	+
Start	4864	End	7176
Name	OJ991119_18.9C21.C36.o2.gs	Method	GENSCAN
Start	4864	End	7176

GI	none	Score	.78
Exons	4864..4987, 5310..5446, 5717..6030, 6717..7176		

Seq. No.	31449	Seq. ID	OJ991119_18.9C21.C36
Gene No.	65066	Strand	-
Start	1	End	9873
Name	OJ991119_18.9C21.C36.o1.np	Method	AAT/NAP
Start	1	End	8483
GI	5852180	Score	254
Exons	1..52, 104..221, 1205..1258, 8407..8483		
GI Descrip.	(AL117265) zhb00010.1 [Oryza sativa]		

Seq. No.	31449	Seq. ID	OJ991119_18.9C21.C36
Gene No.	65066	Strand	-
Start	1	End	9873
Name	OJ991119_18.9C21.C36.o3.gs	Method	GENSCAN
Start	8265	End	9815
GI	none	Score	.99
Exons	8265..9815		

Seq. No.	31449	Seq. ID	OJ991119_18.9C21.C36
Gene No.	65066	Strand	-
Start	1	End	9873
Name	OJ991119_18.9C21.C36.o2.np	Method	AAT/NAP
Start	8268	End	9873
GI	4680179	Score	2656
Exons	8268..9873		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	31449	Seq. ID	OJ991119_18.9C21.C36
Gene No.	65066	Strand	-
Start	1	End	9873
Name	OJ991119_18.9C21.C36.o3.tm	Method	TBLASTX:Maize
Start	8292	End	8504
GI	none	Score	206
Exons	8292..8504		

Seq. No.	31449	Seq. ID	OJ991119_18.9C21.C36
Gene No.	65066	Strand	-
Start	1	End	9873
Name	OJ991119_18.9C21.C36.o3.tw	Method	TBLASTX:Wheat
Start	8313	End	8646
GI	none	Score	107
Exons	8313..8645, 8314..8646		

Seq. No.	31449	Seq. ID	OJ991119_18.9C21.C36
Gene No.	65066	Strand	-
Start	1	End	9873
Name	OJ991119_18.9C21.C36.o1.tm	Method	TBLASTX:Maize
Start	8505	End	9092
GI	none	Score	162
Exons	8505..8933, 8506..8766, 8836..8928, 8931..9092, 8938..9084, 8940..9086		

Seq. No.	31449	Seq. ID	OJ991119_18.9C21.C36
Gene No.	65066	Strand	-
Start	1	End	9873

Name	OJ991119_18.9C21.C36.o1.tw	Method	TBLASTX:Wheat
Start	8646	End	9272
GI	none	Score	379
Exons	8646..9272, 8647..9270		

Seq. No.	31449	Seq. ID	OJ991119_18.9C21.C36
Gene No.	65066	Strand	-
Start	1	End	9873
Name	OJ991119_18.9C21.C36.o2.tm	Method	TBLASTX:Maize
Start	9141	End	9432
GI	none	Score	257
Exons	9141..9431, 9145..9432		

Seq. No.	31449	Seq. ID	OJ991119_18.9C21.C36
Gene No.	65066	Strand	-
Start	1	End	9873
Name	OJ991119_18.9C21.C36.o1.ts	Method	TBLASTX:Soybean
Start	9231	End	9491
GI	none	Score	164
Exons	9231..9491, 9232..9486		

Seq. No.	31449	Seq. ID	OJ991119_18.9C21.C36
Gene No.	65066	Strand	-
Start	1	End	9873
Name	OJ991119_18.9C21.C36.o1.tc	Method	TBLASTX:Cress
Start	9255	End	9572
GI	none	Score	92
Exons	9255..9398, 9256..9396, 9399..9572		

Seq. No.	31449	Seq. ID	OJ991119_18.9C21.C36
Gene No.	65066	Strand	-
Start	1	End	9873
Name	OJ991119_18.9C21.C36.o2.tw	Method	TBLASTX:Wheat
Start	9279	End	9806
GI	none	Score	261
Exons	9279..9806, 9280..9534, 9315..9725		

Seq. No.	31450	Seq. ID	OJ991119_18.9C21.C37
Gene No.	65067	Strand	+
Start	273	End	394
Name	OJ991119_18.9C21.C37.o1.gs	Method	GENSCAN
Start	273	End	394
GI	none	Score	.43
Exons	273..394		

Seq. No.	31451	Seq. ID	OJ990619_45.9C20.C1
Gene No.	65068	Strand	+
Start	1	End	181
Name	OJ990619_45.9C20.C1.o1.gp	Method	AAT/GAP
Start	1	End	181
GI	4969189	Score	268
Exons	1..181		

Seq. No.	31451	Seq. ID	OJ990619_45.9C20.C1
Gene No.	65069	Strand	-
Start	130	End	181
Name	OJ990619_45.9C20.C1.o2.gp	Method	AAT/GAP

Start	130	End	181
GI	3759960	Score	81
Exons	130..181		

Seq. No.	31452	Seq. ID	OJ990619_45.9C20.C2
Gene No.	65070	Strand	+
Start	9784	End	10095
Name	OJ990619_45.9C20.C2.o3.gs	Method	GENSCAN
Start	9784	End	10095
GI	none	Score	.98
Exons	9784..9942, 9982..10095		

Seq. No.	31452	Seq. ID	OJ990619_45.9C20.C2
Gene No.	65071	Strand	-
Start	1	End	5141
Name	OJ990619_45.9C20.C2.o1.np	Method	AAT/NAP
Start	1	End	880
GI	6175185	Score	404
Exons	1..164, 316..447, 530..703, 787..880		
GI Descrip.	(AC011437) ankyrin-like protein [Arabidopsis thaliana]		

Seq. No.	31452	Seq. ID	OJ990619_45.9C20.C2
Gene No.	65071	Strand	-
Start	1	End	5141
Name	OJ990619_45.9C20.C2.o1.gs	Method	GENSCAN
Start	10	End	5061
GI	none	Score	.86
Exons	10..164, 316..447, 530..703, 1903..2104, 2203..2292, 2378..2434, 2551..2631, 2749..2781, 2892..2966, 3263..3328, 3567..3637, 4168..4321, 4429..4505, 5025..5061		

Seq. No.	31452	Seq. ID	OJ990619_45.9C20.C2
Gene No.	65071	Strand	-
Start	1	End	5141
Name	OJ990619_45.9C20.C2.o1.gp	Method	AAT/GAP
Start	312	End	853
GI	none	Score	643
Exons	312..447, 530..703, 787..853		

Seq. No.	31452	Seq. ID	OJ990619_45.9C20.C2
Gene No.	65071	Strand	-
Start	1	End	5141
Name	OJ990619_45.9C20.C2.o2.gp	Method	AAT/GAP
Start	655	End	1073
GI	none	Score	606
Exons	655..849, 938..1073		

Seq. No.	31452	Seq. ID	OJ990619_45.9C20.C2
Gene No.	65071	Strand	-
Start	1	End	5141
Name	OJ990619_45.9C20.C2.o3.gp	Method	AAT/GAP
Start	3341	End	5141
GI	4879565	Score	679
Exons	3341..3364, 3567..3637, 4168..4321, 4429..4505, 5025..5141		

Seq. No.	31452	Seq. ID	OJ990619_45.9C20.C2
Gene No.	65072	Strand	-

Start	7350	End	9174
Name	OJ990619_45.9C20.C2.o1.tc	Method	TBLASTX:Cress
Start	320	End	635
GI	none	Score	121
Exons	320..448, 522..635		

Seq. No.	31452	Seq. ID	OJ990619_45.9C20.C2
Gene No.	65072	Strand	-
Start	7350	End	9174
Name	OJ990619_45.9C20.C2.o2.tm	Method	TBLASTX:Maize
Start	329	End	966
GI	none	Score	62
Exons	329..367, 368..448, 522..635, 788..850, 938..964, 940..966	550..630, 612..713, 785..853,	

Seq. No.	31452	Seq. ID	OJ990619_45.9C20.C2
Gene No.	65072	Strand	-
Start	7350	End	9174
Name	OJ990619_45.9C20.C2.o3.tm	Method	TBLASTX:Maize
Start	3069	End	5076
GI	none	Score	64
Exons	3069..3149, 3069..3149, 3070..3159, 3070..3159, 3257..3379, 3261..3365, 3261..3407, 3275..3376, 4211..4321, 4218..4322, 4423..4521, 4430..4507, 5006..5068, 5023..5076, 5023..5067, 5025..5075		

Seq. No.	31452	Seq. ID	OJ990619_45.9C20.C2
Gene No.	65072	Strand	-
Start	7350	End	9174
Name	OJ990619_45.9C20.C2.o1.tm	Method	TBLASTX:Maize
Start	7350	End	7561
GI	none	Score	239
Exons	7350..7400, 7356..7544, 7357..7545, 7364..7561, 7444..7560		

Seq. No.	31452	Seq. ID	OJ990619_45.9C20.C2
Gene No.	65072	Strand	-
Start	7350	End	9174
Name	OJ990619_45.9C20.C2.o2.gs	Method	GENSCAN
Start	7350	End	9174
GI	none	Score	.83
Exons	7350..7572, 8896..9086, 9118..9174		

Seq. No.	31452	Seq. ID	OJ990619_45.9C20.C2
Gene No.	65072	Strand	-
Start	7350	End	9174
Name	OJ990619_45.9C20.C2.o2.np	Method	AAT/NAP
Start	7353	End	7553
GI	2281092	Score	193
Exons	7353..7553		
GI Descrip.	(AC002333) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	31452	Seq. ID	OJ990619_45.9C20.C2
Gene No.	65072	Strand	-
Start	7350	End	9174
Name	OJ990619_45.9C20.C2.o1.ts	Method	TBLASTX:Soybean
Start	7365	End	7544
GI	none	Score	176

Exons	7365..7544, 7375..7539		
Seq. No.	31452	Seq. ID	OJ990619_45.9C20.C2
Gene No.	65072	Strand	-
Start	7350	End	9174
Name	OJ990619_45.9C20.C2.o4.gp	Method	AAT/GAP
Start	7741	End	7821
GI	38012_1.R1084	Score	103
Exons	7741..7821		
GI Descrip.	'4097947/gb\|U72255\|OSU72255 2.0e-23 Oryza sativa beta-1,3-glucanase precursor (Gns9) gene, complete cds'		
Seq. No.	31453	Seq. ID	OJ990619_45.9C20.C3
Gene No.	65073	Strand	-
Start	686	End	2184
Name	OJ990619_45.9C20.C3.o1.gs	Method	GENSCAN
Start	686	End	2184
GI	none	Score	.9
Exons	686..756, 1928..2039, 2116..2184		
Seq. No.	31454	Seq. ID	OJ990619_45.9C20.C4
Gene No.	65074	Strand	+
Start	76	End	4763
Name	OJ990619_45.9C20.C4.o1.gs	Method	GENSCAN
Start	76	End	2885
GI	none	Score	.95
Exons	76..664, 779..939, 1684..1928, 2142..2885		
Seq. No.	31454	Seq. ID	OJ990619_45.9C20.C4
Gene No.	65074	Strand	+
Start	76	End	4763
Name	OJ990619_45.9C20.C4.o1.np	Method	AAT/NAP
Start	177	End	4763
GI	6503010	Score	784
Exons	177..454, 507..664, 701..939, 1684..1928, 2142..2821, 4635..4763		
GI Descrip.	(AF174427) formin-like protein AHF1 [Arabidopsis thaliana]		
Seq. No.	31454	Seq. ID	OJ990619_45.9C20.C4
Gene No.	65075	Strand	-
Start	4084	End	4696
Name	OJ990619_45.9C20.C4.o2.tm	Method	TBLASTX:Maize
Start	612	End	1781
GI	none	Score	78
Exons	612..665, 614..661, 777..941, 779..943, 780..941, 784..942, 1673..1735, 1680..1772, 1681..1779, 1683..1781		
Seq. No.	31454	Seq. ID	OJ990619_45.9C20.C4
Gene No.	65075	Strand	-
Start	4084	End	4696
Name	OJ990619_45.9C20.C4.o1.tc	Method	TBLASTX:Cress
Start	1652	End	2354
GI	none	Score	206
Exons	1652..1954, 1686..1928, 2136..2354, 2141..2353		
Seq. No.	31454	Seq. ID	OJ990619_45.9C20.C4
Gene No.	65075	Strand	-
Start	4084	End	4696

Name	OJ990619_45.9C20.C4.o2.ts	Method	TBLASTX:Soybean
Start	1680	End	1927
GI	none	Score	221
Exons	1680..1889, 1682..1927, 1683..1925		

Seq. No.	31454	Seq. ID	OJ990619_45.9C20.C4
Gene No.	65075	Strand	-
Start	4084	End	4696
Name	OJ990619_45.9C20.C4.o1.tm	Method	TBLASTX:Maize
Start	1791	End	2370
GI	none	Score	200
Exons	1791..1928, 1792..1929, 1794..1928, 2123..2353, 2136..2357, 2140..2370, 2140..2352, 2144..2356		

Seq. No.	31454	Seq. ID	OJ990619_45.9C20.C4
Gene No.	65075	Strand	-
Start	4084	End	4696
Name	OJ990619_45.9C20.C4.o1.ts	Method	TBLASTX:Soybean
Start	2136	End	2552
GI	none	Score	188
Exons	2136..2372, 2137..2304, 2144..2380, 2382..2552		

Seq. No.	31454	Seq. ID	OJ990619_45.9C20.C4
Gene No.	65075	Strand	-
Start	4084	End	4696
Name	OJ990619_45.9C20.C4.o3.tm	Method	TBLASTX:Maize
Start	2573	End	2905
GI	none	Score	181
Exons	2573..2731, 2574..2714, 2591..2725, 2718..2810, 2723..2824, 2726..2905		

Seq. No.	31454	Seq. ID	OJ990619_45.9C20.C4
Gene No.	65075	Strand	-
Start	4084	End	4696
Name	OJ990619_45.9C20.C4.o2.gs	Method	GENSCAN
Start	4084	End	4696
GI	none	Score	.76
Exons	4084..4142, 4579..4696		

Seq. No.	31455	Seq. ID	OJ990619_45.9C20.C5
Gene No.	65076	Strand	+
Start	1	End	6865
Name	OJ990619_45.9C20.C5.o1.np	Method	AAT/NAP
Start	1	End	6237
GI	2462838	Score	1797
Exons	1..407, 671..946, 1678..1874, 2044..2104, 2284..2562, 2641..2713, 3030..3078, 3868..4132, 4275..4330, 4727..4863, 5362..5470, 5654..5824, 6148..6237		
GI Descrip.	(AF000657) unknown protein [Arabidopsis thaliana]		

Seq. No.	31455	Seq. ID	OJ990619_45.9C20.C5
Gene No.	65076	Strand	+
Start	1	End	6865
Name	OJ990619_45.9C20.C5.o1.gs	Method	GENSCAN
Start	135	End	6865
GI	none	Score	.82
Exons	135..407, 671..946, 1678..1874, 1963..2104, 2284..2562,		

2641..2713, 3030..3078, 3946..4132, 4275..4330, 4476..4544, 4727..4838, 5381..5470, 5654..5824, 6148..6202, 6669..6865

Seq. No.	31455	Seq. ID	OJ990619_45.9C20.C5
Gene No.	65076	Strand	+
Start	1	End	6865
Name	OJ990619_45.9C20.C5.o1.gp	Method	AAT/GAP
Start	3994	End	4334
GI	LIB3432-040-P1-K1-E7	Score	227
Exons	3994..4132, 4275..4334		
GI Descrip.	'2462838 3.0e-15 (AF000657) unknown protein [Arabidopsis thaliana]'		

Seq. No.	31455	Seq. ID	OJ990619_45.9C20.C5
Gene No.	65077	Strand	+
Start	7362	End	8068
Name	OJ990619_45.9C20.C5.o1.ts	Method	TBLASTX:Soybean
Start	1710	End	2406
GI	none	Score	197
Exons	1710..1874, 1711..1878, 1817..1879, 1936..2106, 1958..2104, 2001..2105, 2278..2406, 2282..2383, 2310..2402		

Seq. No.	31455	Seq. ID	OJ990619_45.9C20.C5
Gene No.	65077	Strand	+
Start	7362	End	8068
Name	OJ990619_45.9C20.C5.o3.tm	Method	TBLASTX:Maize
Start	1854	End	2418
GI	none	Score	38
Exons	1854..1877, 1856..1888, 1952..2104, 1959..2105, 1961..2104, 1963..2106, 2282..2416, 2283..2402, 2284..2418, 2310..2417		

Seq. No.	31455	Seq. ID	OJ990619_45.9C20.C5
Gene No.	65077	Strand	+
Start	7362	End	8068
Name	OJ990619_45.9C20.C5.o2.tc	Method	TBLASTX:Cress
Start	2035	End	2534
GI	none	Score	88
Exons	2035..2106, 2036..2104, 2268..2423, 2278..2424, 2300..2437, 2311..2424, 2475..2534		

Seq. No.	31455	Seq. ID	OJ990619_45.9C20.C5
Gene No.	65077	Strand	+
Start	7362	End	8068
Name	OJ990619_45.9C20.C5.o2.tm	Method	TBLASTX:Maize
Start	3995	End	5834
GI	none	Score	173
Exons	3995..4141, 3995..4132, 3996..4133, 4018..4137, 4272..4331, 4272..4334, 4274..4342, 4453..4527, 4460..4543, 4476..4544, 4483..4545, 4722..4838, 4727..4837, 4728..4853, 4732..4851, 5378..5473, 5383..5469, 5644..5799, 5648..5824, 5649..5834, 5649..5834		

Seq. No.	31455	Seq. ID	OJ990619_45.9C20.C5
Gene No.	65077	Strand	+
Start	7362	End	8068
Name	OJ990619_45.9C20.C5.o3.ts	Method	TBLASTX:Soybean
Start	4475	End	5824

GI	none	Score	99
Exons	4475..4546, 4483..4545, 4722..4838, 4727..4837, 4728..4841, 5378..5473, 5383..5505, 5644..5799, 5645..5806, 5648..5824, 5659..5823		

Seq. No.	31455	Seq. ID	OJ990619_45.9C20.C5
Gene No.	65077	Strand	+
Start	7362	End	8068
Name	OJ990619_45.9C20.C5.o2.np	Method	AAT/NAP
Start	7350	End	8068
GI	1143381	Score	438
Exons	7350..7393, 7431..8068		
GI Descrip.	(Z49063) polygalacturonase inhibitor [Actinidia deliciosa]		

Seq. No.	31455	Seq. ID	OJ990619_45.9C20.C5
Gene No.	65077	Strand	+
Start	7362	End	8068
Name	OJ990619_45.9C20.C5.o2.gs	Method	GENSCAN
Start	7362	End	8060
GI	none	Score	.63
Exons	7362..8060		

Seq. No.	31455	Seq. ID	OJ990619_45.9C20.C5
Gene No.	65077	Strand	+
Start	7362	End	8068
Name	OJ990619_45.9C20.C5.o1.tm	Method	TBLASTX:Maize
Start	7424	End	7976
GI	none	Score	226
Exons	7424..7657, 7452..7658, 7697..7849, 7698..7850, 7725..7922, 7803..7976		

Seq. No.	31455	Seq. ID	OJ990619_45.9C20.C5
Gene No.	65077	Strand	+
Start	7362	End	8068
Name	OJ990619_45.9C20.C5.o1.tc	Method	TBLASTX:Cress
Start	7461	End	8021
GI	none	Score	97
Exons	7461..7577, 7599..7937, 7700..7864, 7701..7886, 7770..7967, 7989..8021		

Seq. No.	31455	Seq. ID	OJ990619_45.9C20.C5
Gene No.	65077	Strand	+
Start	7362	End	8068
Name	OJ990619_45.9C20.C5.o2.ts	Method	TBLASTX:Soybean
Start	7512	End	8018
GI	none	Score	110
Exons	7512..7634, 7596..7937, 7697..7864, 7700..7864, 7701..7880, 7776..7946, 7812..7943, 7848..7967, 7905..7946, 7989..8018		

Seq. No.	31455	Seq. ID	OJ990619_45.9C20.C5
Gene No.	65077	Strand	+
Start	7362	End	8068
Name	OJ990619_45.9C20.C5.o2.gp	Method	AAT/GAP
Start	7822	End	8068
GI	LIB3433-037-P1-K1-G8	Score	438
Exons	7822..8068		
GI Descrip.	'1679733/gb\|AAB19212.1\| 4.0e-16 (U77041)		

polygalacturonase-inhibiting protein [Malus domestica]'

Seq. No.	31456	Seq. ID	OJ990619_45.9C20.C6
Gene No.	65078	Strand	+
Start	2709	End	3109
Name	OJ990619_45.9C20.C6.o1.gp	Method	AAT/GAP
Start	2709	End	3054
GI	62575_1.R1084	Score	597
Exons	2709..3054		
GI Descrip.	'1143381/emb\|CAA88846\| 2.0e-09 (Z49063) polygalacturonase inhibitor [Actinidia deliciosa]'		

Seq. No.	31456	Seq. ID	OJ990619_45.9C20.C6
Gene No.	65078	Strand	+
Start	2709	End	3109
Name	OJ990619_45.9C20.C6.o1.np	Method	AAT/NAP
Start	2757	End	3109
GI	464367	Score	209
Exons	2757..3109		
GI Descrip.	POLYGALACTURONASE INHIBITOR PRECURSOR (POLYGALACTURONASE-INHIBITING PROTEIN) gi\|543660\|pir\|\|JQ2262 Polygalacturonase inhibitor precursor - Pyrus communis gi\|169684 (L09264) polygalacturonase inhibitor [Pyrus communis]		

Seq. No.	31456	Seq. ID	OJ990619_45.9C20.C6
Gene No.	65078	Strand	+
Start	2709	End	3109
Name	OJ990619_45.9C20.C6.o1.gs	Method	GENSCAN
Start	2763	End	2935
GI	none	Score	.62
Exons	2763..2935		

Seq. No.	31456	Seq. ID	OJ990619_45.9C20.C6
Gene No.	65078	Strand	+
Start	2709	End	3109
Name	OJ990619_45.9C20.C6.o1.tm	Method	TBLASTX:Maize
Start	2763	End	3104
GI	none	Score	199
Exons	2763..3035, 2882..3034, 3072..3104		

Seq. No.	31457	Seq. ID	OJ990619_45.9C20.C7
Gene No.	65079	Strand	-
Start	250	End	868
Name	OJ990619_45.9C20.C7.o1.gs	Method	GENSCAN
Start	250	End	853
GI	none	Score	.55
Exons	250..853		

Seq. No.	31457	Seq. ID	OJ990619_45.9C20.C7
Gene No.	65079	Strand	-
Start	250	End	868
Name	OJ990619_45.9C20.C7.o1.np	Method	AAT/NAP
Start	280	End	868
GI	6069646	Score	238
Exons	280..868		
GI Descrip.	(AP000616) similar to putative reverse transcriptase (AC005315) [Oryza sativa] gi\|6907112\|dbj\|BAA90639.1\| (AP001129) Similar to		

Arabidopsis thaliana chromosome II BAC F9O13 genomic sequence, putative non-LTR retroelement reverse transcriptase. (AC006248) [Oryza sativa]

Seq. No.	31457	Seq. ID	OJ990619_45.9C20.C7
Gene No.	65079	Strand	-
Start	250	End	868
Name	OJ990619_45.9C20.C7.o1.tm	Method	TBLASTX:Maize
Start	310	End	846
GI	none	Score	50
Exons	310..519, 379..459, 556..846,	557..835	

Seq. No.	31458	Seq. ID	OJ990619_45.9C20.C8
Gene No.	65080	Strand	+
Start	228	End	6431
Name	OJ990619_45.9C20.C8.o1.gs	Method	GENSCAN
Start	228	End	6431
GI	none	Score	.56
Exons	228..399, 436..2141, 2173..2832, 2896..4308, 4410..4655, 4689..6431		

Seq. No.	31458	Seq. ID	OJ990619_45.9C20.C8
Gene No.	65080	Strand	+
Start	228	End	6431
Name	OJ990619_45.9C20.C8.o1.np	Method	AAT/NAP
Start	973	End	6428
GI	6498441	Score	7147
Exons	973..2037, 2369..2832, 2896..3269, 3453..3587, 3762..4484, 4656..6053, 6147..6428		
GI Descrip.	(AP000815) EST C72786(E2258) corresponds to a region of the predicted gene.; Similar to Sorghum bicolor Gypsy-Ty3 type retrotransposon RetroSor1. (AF098806) [Oryza sativa]		

Seq. No.	31458	Seq. ID	OJ990619_45.9C20.C8
Gene No.	65081	Strand	+
Start	8043	End	25591
Name	OJ990619_45.9C20.C8.o2.np	Method	AAT/NAP
Start	8043	End	22218
GI	6939228	Score	5162
Exons	8043..8142, 11736..11828, 18230..22218		
GI Descrip.	(AC020579) putative phosphoribosylformylglycinamidine synthase [Arabidopsis thaliana]		

Seq. No.	31458	Seq. ID	OJ990619_45.9C20.C8
Gene No.	65081	Strand	+
Start	8043	End	25591
Name	OJ990619_45.9C20.C8.o4.gs	Method	GENSCAN
Start	14815	End	15834
GI	none	Score	1
Exons	14815..15834		

Seq. No.	31458	Seq. ID	OJ990619_45.9C20.C8
Gene No.	65081	Strand	+
Start	8043	End	25591
Name	OJ990619_45.9C20.C8.o5.gs	Method	GENSCAN
Start	17885	End	25591
GI	none	Score	.74

Exons	17885..17950, 18034..22205, 22623..22757, 22808..22844, 23056..23116, 23597..24585, 25197..25394, 25430..25591		
Seq. No.	31458	Seq. ID	OJ990619_45.9C20.C8
Gene No.	65081	Strand	+
Start	8043	End	25591
Name	OJ990619_45.9C20.C8.o1.gp	Method	AAT/GAP
Start	19893	End	20785
GI	11343_1.R1084	Score	1652
Exons	19893..20785		
GI Descrip.	'2224663/dbj\|BAA20816\| 5.0e-74 (AB002359) KIAA0361 [Homo sapiens]'		
Seq. No.	31458	Seq. ID	OJ990619_45.9C20.C8
Gene No.	65081	Strand	+
Start	8043	End	25591
Name	OJ990619_45.9C20.C8.o3.np	Method	AAT/NAP
Start	23719	End	24675
GI	4033532	Score	500
Exons	23719..24675		
GI Descrip.	(X78274) polygalacturonase-inhibiting protein [Glycine max]		
Seq. No.	31458	Seq. ID	OJ990619_45.9C20.C8
Gene No.	65082	Strand	-
Start	7056	End	9588
Name	OJ990619_45.9C20.C8.o2.gs	Method	GENSCAN
Start	7056	End	9588
GI	none	Score	.95
Exons	7056..7600, 7654..8828, 8897..9392, 9459..9588		
Seq. No.	31458	Seq. ID	OJ990619_45.9C20.C8
Gene No.	65083	Strand	-
Start	11507	End	14719
Name	OJ990619_45.9C20.C8.o3.gs	Method	GENSCAN
Start	11507	End	14719
GI	none	Score	.47
Exons	11507..12885, 12927..13804, 13842..13998, 14254..14719		
Seq. No.	31458	Seq. ID	OJ990619_45.9C20.C8
Gene No.	65084	Strand	-
Start	26699	End	27964
Name	OJ990619_45.9C20.C8.o10.tm	Method	TBLASTX:Maize
Start	1164	End	1403
GI	none	Score	190
Exons	1164..1403, 1298..1402		
Seq. No.	31458	Seq. ID	OJ990619_45.9C20.C8
Gene No.	65084	Strand	-
Start	26699	End	27964
Name	OJ990619_45.9C20.C8.o6.tw	Method	TBLASTX:Wheat
Start	1176	End	1514
GI	none	Score	112
Exons	1176..1274, 1193..1231, 1257..1514, 1274..1480		
Seq. No.	31458	Seq. ID	OJ990619_45.9C20.C8
Gene No.	65084	Strand	-
Start	26699	End	27964

Name	OJ990619_45.9C20.C8.o3.tw	Method	TBLASTX:Wheat
Start	2253	End	2739
GI	none	Score	403
Exons	2253..2426, 2254..2739, 2448..2708, 2473..2712		

Seq. No.	31458	Seq. ID	OJ990619_45.9C20.C8
Gene No.	65084	Strand	-
Start	26699	End	27964
Name	OJ990619_45.9C20.C8.o1.tw	Method	TBLASTX:Wheat
Start	2904	End	3366
GI	none	Score	591
Exons	2904..3359, 2905..3366, 2905..3360		

Seq. No.	31458	Seq. ID	OJ990619_45.9C20.C8
Gene No.	65084	Strand	-
Start	26699	End	27964
Name	OJ990619_45.9C20.C8.o9.ts	Method	TBLASTX:Soybean
Start	2944	End	3309
GI	none	Score	126
Exons	2944..3168, 3175..3309		

Seq. No.	31458	Seq. ID	OJ990619_45.9C20.C8
Gene No.	65084	Strand	-
Start	26699	End	27964
Name	OJ990619_45.9C20.C8.o6.tm	Method	TBLASTX:Maize
Start	3034	End	3390
GI	none	Score	389
Exons	3034..3390, 3069..3380, 3274..3390		

Seq. No.	31458	Seq. ID	OJ990619_45.9C20.C8
Gene No.	65084	Strand	-
Start	26699	End	27964
Name	OJ990619_45.9C20.C8.o8.tm	Method	TBLASTX:Maize
Start	3417	End	3801
GI	none	Score	363
Exons	3417..3782, 3418..3801		

Seq. No.	31458	Seq. ID	OJ990619_45.9C20.C8
Gene No.	65084	Strand	-
Start	26699	End	27964
Name	OJ990619_45.9C20.C8.o2.tw	Method	TBLASTX:Wheat
Start	3474	End	3894
GI	none	Score	493
Exons	3474..3869, 3475..3894		

Seq. No.	31458	Seq. ID	OJ990619_45.9C20.C8
Gene No.	65084	Strand	-
Start	26699	End	27964
Name	OJ990619_45.9C20.C8.o7.ts	Method	TBLASTX:Soybean
Start	3553	End	3924
GI	none	Score	278
Exons	3553..3924, 3570..3713		

Seq. No.	31458	Seq. ID	OJ990619 45.9C20.C8
Gene No.	65084	Strand	-
Start	26699	End	27964
Name	OJ990619_45.9C20.C8.o5.tw	Method	TBLASTX:Wheat

Start	4356	End	4790
GI	none	Score	241
Exons	4356..4607, 4371..4553, 4421..4606, 4641..4790, 4652..4789		

Seq. No.	31458	Seq. ID	OJ990619_45.9C20.C8
Gene No.	65084	Strand	-
Start	26699	End	27964
Name	OJ990619_45.9C20.C8.o9.tw	Method	TBLASTX:Wheat
Start	4793	End	5105
GI	none	Score	182
Exons	4793..4969, 4845..5105		

Seq. No.	31458	Seq. ID	OJ990619_45.9C20.C8
Gene No.	65084	Strand	-
Start	26699	End	27964
Name	OJ990619_45.9C20.C8.o7.tm	Method	TBLASTX:Maize
Start	5298	End	5621
GI	none	Score	368
Exons	5298..5621, 5315..5608		

Seq. No.	31458	Seq. ID	OJ990619_45.9C20.C8
Gene No.	65084	Strand	-
Start	26699	End	27964
Name	OJ990619_45.9C20.C8.o4.tw	Method	TBLASTX:Wheat
Start	5435	End	5816
GI	none	Score	380
Exons	5435..5785, 5436..5816		

Seq. No.	31458	Seq. ID	OJ990619_45.9C20.C8
Gene No.	65084	Strand	-
Start	26699	End	27964
Name	OJ990619_45.9C20.C8.o7.tw	Method	TBLASTX:Wheat
Start	5817	End	6419
GI	none	Score	261
Exons	5817..6101, 5822..6100, 5957..6127, 6293..6415, 6294..6419		

Seq. No.	31458	Seq. ID	OJ990619_45.9C20.C8
Gene No.	65084	Strand	-
Start	26699	End	27964
Name	OJ990619_45.9C20.C8.o10.ts	Method	TBLASTX:Soybean
Start	11708	End	12256
GI	none	Score	60
Exons	11708..11830, 11745..11849, 11906..12256, 11928..12047		

Seq. No.	31458	Seq. ID	OJ990619_45.9C20.C8
Gene No.	65084	Strand	-
Start	26699	End	27964
Name	OJ990619_45.9C20.C8.o3.tm	Method	TBLASTX:Maize
Start	11876	End	12563
GI	none	Score	187
Exons	11876..12562, 12024..12563		

Seq. No.	31458	Seq. ID	OJ990619_45.9C20.C8
Gene No.	65084	Strand	-
Start	26699	End	27964
Name	OJ990619_45.9C20.C8.o8.tw	Method	TBLASTX:Wheat
Start	12348	End	12673

GI	none	Score	80
Exons	12348..12506, 12359..12673		

Seq. No.	31458	Seq. ID	OJ990619_45.9C20.C8
Gene No.	65084	Strand	-
Start	26699	End	27964
Name	OJ990619_45.9C20.C8.o9.tm	Method	TBLASTX:Maize
Start	12564	End	12907
GI	none	Score	196
Exons	12564..12905, 12590..12907		

Seq. No.	31458	Seq. ID	OJ990619_45.9C20.C8
Gene No.	65084	Strand	-
Start	26699	End	27964
Name	OJ990619_45.9C20.C8.o2.tc	Method	TBLASTX:Cress
Start	14902	End	25562
GI	none	Score	76
Exons	14902..15012, 15097..15246, 15148..15240, 15199..15393, 15253..15399, 15262..15549, 15264..15548, 15421..15519, 15490..15591, 15571..15678, 15700..15825, 23725..23826, 24067..24240, 24100..24246, 24112..24396, 24123..24395, 24268..24366, 24337..24438, 24394..24525, 24547..24672, 25512..25562		

Seq. No.	31458	Seq. ID	OJ990619_45.9C20.C8
Gene No.	65084	Strand	-
Start	26699	End	27964
Name	OJ990619_45.9C20.C8.o4.tm	Method	TBLASTX:Maize
Start	14902	End	24675
GI	none	Score	43
Exons	14902..14985, 14980..15012, 15093..15236, 15094..15237, 15148..15240, 15192..15323, 15220..15408, 15256..15405, 15256..15393, 15259..15384, 15262..15387, 15265..15384, 15274..15327, 15274..15327, 15276..15395, 15313..15384, 15334..15387, 15405..15545, 15406..15549, 15417..15461, 15421..15519, 15427..15468, 15435..15518, 15492..15536, 15562..15729, 15571..15825, 15625..15795, 24073..24255, 24100..24231, 24109..24174, 24112..24231, 24117..24242, 24117..24242, 24121..24234, 24190..24234, 24252..24392, 24253..24396, 24268..24366, 24337..24366, 24397..24591, 24403..24675, 24405..24674, 24472..24522, 24502..24591, 24553..24642		

Seq. No.	31458	Seq. ID	OJ990619_45.9C20.C8
Gene No.	65084	Strand	-
Start	26699	End	27964
Name	OJ990619_45.9C20.C8.o3.ts	Method	TBLASTX:Soybean
Start	14962	End	25562
GI	none	Score	62
Exons	14962..15006, 15094..15246, 15135..15242, 15148..15240, 15148..15249, 15148..15198, 15253..15549, 15255..15383, 15259..15387, 15429..15539, 15478..15591, 15568..15711, 15571..15825, 15625..15744, 15640..15705, 15732..15812, 23725..23826, 23941..24093, 23995..24171, 24100..24396, 24102..24230, 24106..24234, 24175..24231, 24280..24384, 24325..24438, 24412..24672, 24469..24594, 24472..24591, 24487..24537, 25460..25483, 25509..25562		

Seq. No.	31458	Seq. ID	OJ990619_45.9C20.C8
Gene No.	65084	Strand	-
Start	26699	End	27964
Name	OJ990619_45.9C20.C8.o2.ts	Method	TBLASTX:Soybean
Start	19437	End	19815
GI	none	Score	520
Exons	19437..19592, 19438..19815, 19460..19813, 19641..19814		

Seq. No.	31458	Seq. ID	OJ990619_45.9C20.C8
Gene No.	65084	Strand	-
Start	26699	End	27964
Name	OJ990619_45.9C20.C8.o1.ts	Method	TBLASTX:Soybean
Start	19821	End	20703
GI	none	Score	1232
Exons	19821..20531, 19822..20703, 20640..20702		

Seq. No.	31458	Seq. ID	OJ990619_45.9C20.C8
Gene No.	65084	Strand	-
Start	26699	End	27964
Name	OJ990619_45.9C20.C8.o2.tm	Method	TBLASTX:Maize
Start	19864	End	20196
GI	none	Score	472
Exons	19864..20196, 19864..20193, 20142..20195		

Seq. No.	31458	Seq. ID	OJ990619_45.9C20.C8
Gene No.	65084	Strand	-
Start	26699	End	27964
Name	OJ990619_45.9C20.C8.o1.tm	Method	TBLASTX:Maize
Start	20469	End	22221
GI	none	Score	2650
Exons	20469..22196, 20470..22221, 20473..22221		

Seq. No.	31458	Seq. ID	OJ990619_45.9C20.C8
Gene No.	65084	Strand	-
Start	26699	End	27964
Name	OJ990619_45.9C20.C8.o6.ts	Method	TBLASTX:Soybean
Start	20803	End	21159
GI	none	Score	328
Exons	20803..21159, 20808..21017, 20942..21106		

Seq. No.	31458	Seq. ID	OJ990619_45.9C20.C8
Gene No.	65084	Strand	-
Start	26699	End	27964
Name	OJ990619_45.9C20.C8.o4.ts	Method	TBLASTX:Soybean
Start	21433	End	21686
GI	none	Score	365
Exons	21433..21684, 21433..21681, 21483..21686		

Seq. No.	31458	Seq. ID	OJ990619_45.9C20.C8
Gene No.	65084	Strand	-
Start	26699	End	27964
Name	OJ990619_45.9C20.C8.o1.tc	Method	TBLASTX:Cress
Start	21585	End	22092
GI	none	Score	237
Exons	21585..21731, 21586..21729, 21586..21744, 21597..21746, 21750..21881, 21752..21871, 21765..21944, 21775..21942,		

21967..22008, 22014..22091, 22015..22092

Seq. No.	31458	Seq. ID	OJ990619_45.9C20.C8
Gene No.	65084	Strand	-
Start	26699	End	27964
Name	OJ990619_45.9C20.C8.o8.ts	Method	TBLASTX:Soybean
Start	21688	End	21927
GI	none	Score	75
Exons	21688..21924, 21690..21926, 21691..21729, 21771..21926, 21775..21927		

Seq. No.	31458	Seq. ID	OJ990619_45.9C20.C8
Gene No.	65084	Strand	-
Start	26699	End	27964
Name	OJ990619_45.9C20.C8.o2.gp	Method	AAT/GAP
Start	26548	End	27816
GI	23131_1.R1084	Score	1258
Exons	26548..26788, 26877..26990, 27069..27190, 27587..27816		
GI Descrip.	'2088652 9.0e-95 (AF002109) 26S proteasome regulatory subunit S12 isolog [Arabidopsis thaliana] >gi_2351376 (U54561) translation initiation factor eIF2 p47 subunit homolog [Arabidopsis thaliana]'		

Seq. No.	31458	Seq. ID	OJ990619_45.9C20.C8
Gene No.	65084	Strand	-
Start	26699	End	27964
Name	OJ990619_45.9C20.C8.o5.tm	Method	TBLASTX:Maize
Start	26577	End	27821
GI	none	Score	35
Exons	26577..26618, 26581..26601, 26695..26790, 26699..26794, 26700..26789, 26721..26795, 26722..26796, 26867..26899, 26877..26990, 26914..26991, 27063..27188, 27064..27183, 27069..27188, 27118..27189, 27586..27816, 27588..27779, 27609..27821		

Seq. No.	31458	Seq. ID	OJ990619_45.9C20.C8
Gene No.	65084	Strand	-
Start	26699	End	27964
Name	OJ990619_45.9C20.C8.o5.ts	Method	TBLASTX:Soybean
Start	26625	End	27698
GI	none	Score	80
Exons	26625..26792, 26696..26794, 26877..26990, 26914..26991, 27066..27167, 27069..27188, 27586..27696, 27588..27698		

Seq. No.	31458	Seq. ID	OJ990619_45.9C20.C8
Gene No.	65084	Strand	-
Start	26699	End	27964
Name	OJ990619_45.9C20.C8.o3.tc	Method	TBLASTX:Cress
Start	26699	End	27837
GI	none	Score	35
Exons	26699..26794, 26775..26828, 26877..26987, 26914..26988, 27065..27172, 27068..27160, 27069..27197, 27586..27837, 27588..27779, 27616..27825		

Seq. No.	31458	Seq. ID	OJ990619_45.9C20.C8
Gene No.	65084	Strand	-
Start	26699	End	27964

Name	OJ990619_45.9C20.C8.o6.gs	Method	GENSCAN
Start	26699	End	27190
GI	none	Score	.86
Exons	26699..26788, 26877..26990, 27069..27190		

Seq. No.	31458	Seq. ID	OJ990619_45.9C20.C8
Gene No.	65084	Strand	-
Start	26699	End	27964
Name	OJ990619_45.9C20.C8.o4.np	Method	AAT/NAP
Start	26702	End	27964
GI	2088652	Score	549
Exons	26702..26788, 26877..26990, 27069..27190, 27587..27817, 27913..27964		
GI Descrip.	(AF002109) 26S proteasome regulatory subunit [Arabidopsis thaliana] gi\|2351376 (U54561) translation initiation factor eIF2 p47 subunit homolog [Arabidopsis thaliana]		

Seq. No.	31459	Seq. ID	OJ990619_45.9C20.C9
Gene No.	65085	Strand	-
Start	1541	End	15539
Name	OJ990619_45.9C20.C9.o1.gs	Method	GENSCAN
Start	1541	End	15539
GI	none	Score	.89
Exons	1541..1666, 3198..3296, 3369..3432, 5901..6049, 6378..7343, 7635..7814, 7924..8229, 8476..8610, 8693..8929, 9003..9191, 9404..9613, 9812..9907, 10000..10206, 10583..10776, 11861..12160, 15284..15539		

Seq. No.	31459	Seq. ID	OJ990619_45.9C20.C9
Gene No.	65085	Strand	-
Start	1541	End	15539
Name	OJ990619_45.9C20.C9.o1.gp	Method	AAT/GAP
Start	1626	End	1952
GI	286398	Score	642
Exons	1626..1952		

Seq. No.	31459	Seq. ID	OJ990619_45.9C20.C9
Gene No.	65085	Strand	-
Start	1541	End	15539
Name	OJ990619_45.9C20.C9.o2.gp	Method	AAT/GAP
Start	3534	End	3984
GI	2310119	Score	650
Exons	3534..3583, 3688..3984		

Seq. No.	31459	Seq. ID	OJ990619_45.9C20.C9
Gene No.	65085	Strand	-
Start	1541	End	15539
Name	OJ990619_45.9C20.C9.o1.np	Method	AAT/NAP
Start	5745	End	12109
GI	4960024	Score	4521
Exons	5745..6049, 6378..7343, 7635..7814, 7924..8244, 8476..8610, 8693..8929, 9003..9191, 9404..9592, 9812..9907, 10000..10206, 10583..10776, 11861..12109		
GI Descrip.	(AF144079) S-adenosyl-L-methionine:L-methionine S-methyltransferase [Zea mays]		

Seq. No.	31459	Seq. ID	OJ990619_45.9C20.C9

Gene No.	65085	Strand	-
Start	1541	End	15539
Name	OJ990619_45.9C20.C9.o3.gp	Method	AAT/GAP
Start	6393	End	7343
GI	5994_1.R1084	Score	1881
Exons	6393..7343		
GI Descrip.	'4960024/gb\|AAD34585.1\| 1.0e-153 (AF144079) S-adenosyl-L-methionine:L-methionine S-methyltransferase [Zea mays]'		

Seq. No.	31459	Seq. ID	OJ990619_45.9C20.C9
Gene No.	65085	Strand	-
Start	1541	End	15539
Name	OJ990619_45.9C20.C9.o4.gp	Method	AAT/GAP
Start	7693	End	8842
GI	4715491	Score	1337
Exons	7693..7814, 7924..8229, 8476..8610, 8693..8842		
GI Descrip.	4960024/gb\|AAD34585.1\| 2.0e-75 (AF144079) S-adenosyl-L-methionine:L-methionine S-methyltransferase [Zea mays]		

Seq. No.	31459	Seq. ID	OJ990619_45.9C20.C9
Gene No.	65086	Strand	-
Start	17000	End	17901
Name	OJ990619_45.9C20.C9.o7.tm	Method	TBLASTX:Maize
Start	1541	End	1667
GI	none	Score	137
Exons	1541..1666, 1545..1667		

Seq. No.	31459	Seq. ID	OJ990619_45.9C20.C9
Gene No.	65086	Strand	-
Start	17000	End	17901
Name	OJ990619_45.9C20.C9.o5.tm	Method	TBLASTX:Maize
Start	2112	End	2433
GI	none	Score	110
Exons	2112..2207, 2124..2210, 2301..2378, 2301..2384, 2302..2379, 2373..2432, 2389..2433		

Seq. No.	31459	Seq. ID	OJ990619_45.9C20.C9
Gene No.	65086	Strand	-
Start	17000	End	17901
Name	OJ990619_45.9C20.C9.o3.tm	Method	TBLASTX:Maize
Start	3222	End	3813
GI	none	Score	77
Exons	3222..3302, 3225..3308, 3232..3309, 3368..3436, 3369..3434, 3512..3592, 3515..3586, 3683..3802, 3685..3813		

Seq. No.	31459	Seq. ID	OJ990619_45.9C20.C9
Gene No.	65086	Strand	-
Start	17000	End	17901
Name	OJ990619_45.9C20.C9.o5.ts	Method	TBLASTX:Soybean
Start	3369	End	3843
GI	none	Score	54
Exons	3369..3431, 3516..3584, 3518..3586, 3683..3781, 3685..3843		

Seq. No.	31459	Seq. ID	OJ990619_45.9C20.C9
Gene No.	65086	Strand	-

Start	17000	End	17901
Name	OJ990619_45.9C20.C9.o1.tm	Method	TBLASTX:Maize
Start	5763	End	8224
GI	none	Score	70
Exons	5763..5819, 5766..5819, 5823..6011, 5823..6023, 5825..6052, 6378..7346, 6382..7344, 7635..7841, 7636..7815, 7921..8223, 7921..8223, 7922..8224		

Seq. No.	31459	Seq. ID	OJ990619_45.9C20.C9
Gene No.	65086	Strand	-
Start	17000	End	17901
Name	OJ990619_45.9C20.C9.o4.ts	Method	TBLASTX:Soybean
Start	5766	End	6503
GI	none	Score	111
Exons	5766..5825, 5811..5945, 5816..5938, 5954..6061, 6375..6503		

Seq. No.	31459	Seq. ID	OJ990619_45.9C20.C9
Gene No.	65086	Strand	-
Start	17000	End	17901
Name	OJ990619_45.9C20.C9.o1.tc	Method	TBLASTX:Cress
Start	6558	End	7697
GI	none	Score	210
Exons	6558..6635, 6675..6752, 6807..7319, 6808..7227, 6813..7331, 7635..7697		

Seq. No.	31459	Seq. ID	OJ990619_45.9C20.C9
Gene No.	65086	Strand	-
Start	17000	End	17901
Name	OJ990619_45.9C20.C9.o2.ts	Method	TBLASTX:Soybean
Start	6870	End	7247
GI	none	Score	213
Exons	6870..7247, 6889..7227, 6954..7232		

Seq. No.	31459	Seq. ID	OJ990619_45.9C20.C9
Gene No.	65086	Strand	-
Start	17000	End	17901
Name	OJ990619_45.9C20.C9.o3.ts	Method	TBLASTX:Soybean
Start	7771	End	8536
GI	none	Score	47
Exons	7771..7815, 7773..7850, 7930..8217, 7931..8218, 8476..8535, 8489..8536		

Seq. No.	31459	Seq. ID	OJ990619_45.9C20.C9
Gene No.	65086	Strand	-
Start	17000	End	17901
Name	OJ990619_45.9C20.C9.o3.tc	Method	TBLASTX:Cress
Start	7921	End	8172
GI	none	Score	219
Exons	7921..8172, 7922..8170		

Seq. No.	31459	Seq. ID	OJ990619_45.9C20.C9
Gene No.	65086	Strand	-
Start	17000	End	17901
Name	OJ990619_45.9C20.C9.o4.tm	Method	TBLASTX:Maize
Start	8551	End	8825
GI	none	Score	75
Exons	8551..8610, 8552..8608, 8665..8817, 8693..8824, 8694..8825		

Seq. No.	31459	Seq. ID	OJ990619_45.9C20.C9
Gene No.	65086	Strand	-
Start	17000	End	17901
Name	OJ990619_45.9C20.C9.o2.tm	Method	TBLASTX:Maize
Start	8826	End	10222
GI	none	Score	110
Exons	8826..8930, 8826..8930, 8827..8931, 8828..8932, 8979..9194, 8988..9197, 9001..9195, 9403..9543, 9404..9598, 9405..9593, 9811..9909, 9812..9910, 9813..9908, 9997..10209, 10000..10209, 10001..10213, 10082..10222		

Seq. No.	31459	Seq. ID	OJ990619_45.9C20.C9
Gene No.	65086	Strand	-
Start	17000	End	17901
Name	OJ990619_45.9C20.C9.o4.tc	Method	TBLASTX:Cress
Start	8840	End	9102
GI	none	Score	67
Exons	8840..8929, 8841..8933, 8988..9101, 9001..9102		

Seq. No.	31459	Seq. ID	OJ990619_45.9C20.C9
Gene No.	65086	Strand	-
Start	17000	End	17901
Name	OJ990619_45.9C20.C9.o1.ts	Method	TBLASTX:Soybean
Start	9824	End	10745
GI	none	Score	107
Exons	9824..9913, 9824..9910, 9997..10209, 10000..10209, 10004..10219, 10085..10222, 10580..10741, 10581..10745		

Seq. No.	31459	Seq. ID	OJ990619_45.9C20.C9
Gene No.	65086	Strand	-
Start	17000	End	17901
Name	OJ990619_45.9C20.C9.o2.tc	Method	TBLASTX:Cress
Start	10165	End	15518
GI	none	Score	197
Exons	10165..10212, 10585..10770, 10589..10777, 10590..10766, 11946..12023, 12029..12097, 15423..15518		

Seq. No.	31459	Seq. ID	OJ990619_45.9C20.C9
Gene No.	65086	Strand	-
Start	17000	End	17901
Name	OJ990619_45.9C20.C9.o6.tm	Method	TBLASTX:Maize
Start	10657	End	15497
GI	none	Score	178
Exons	10657..10773, 10658..10816, 10659..10778, 11859..11954, 11860..11925, 11919..12023, 12029..12082, 12030..12092, 15315..15359, 15426..15497		

Seq. No.	31459	Seq. ID	OJ990619_45.9C20.C9
Gene No.	65086	Strand	-
Start	17000	End	17901
Name	OJ990619_45.9C20.C9.o2.gs	Method	GENSCAN
Start	17000	End	17901
GI	none	Score	.83
Exons	17000..17059, 17821..17901		

Seq. No.	31460	Seq. ID	OJ990619_45.9C20.C10

Gene No.	65087	Strand	+
Start	176	End	2720
Name	OJ990619_45.9C20.C10.o1.gp	Method	AAT/GAP
Start	176	End	2720
GI	58662_1.R1084	Score	2335
Exons	176..442, 1754..2720		
GI Descrip.	'1405561/emb\|CAA67153\| 2.0e-39 (X98540) FSGTP1 [Fagus sylvatica]'		

Seq. No.	31460	Seq. ID	OJ990619_45.9C20.C10
Gene No.	65087	Strand	+
Start	176	End	2720
Name	OJ990619_45.9C20.C10.o1.np	Method	AAT/NAP
Start	278	End	2245
GI	3024516	Score	823
Exons	278..442, 1754..2245		
GI Descrip.	RAS-RELATED PROTEIN RAB11C gi\|2160157 (AC000132) Strong similarity to A. thaliana ara-2 (gb\|ATHARA2). ESTs gb\|ATTS2483,gb\|ATTS2484,gb\|AA042159 come from this gene. [Arabidopsis thaliana] gi\|2231303 (U74669) ras-related small GTPase [Arabidopsis thaliana]		

Seq. No.	31460	Seq. ID	OJ990619_45.9C20.C10
Gene No.	65087	Strand	+
Start	176	End	2720
Name	OJ990619_45.9C20.C10.o1.gs	Method	GENSCAN
Start	320	End	2245
GI	none	Score	.65
Exons	320..442, 1754..2245		

Seq. No.	31460	Seq. ID	OJ990619_45.9C20.C10
Gene No.	65088	Strand	+
Start	6616	End	13615
Name	OJ990619_45.9C20.C10.o3.gs	Method	GENSCAN
Start	6616	End	12067
GI	none	Score	.68
Exons	6616..6916, 7388..7558, 8300..8346, 8802..8948, 9361..9470, 9567..9694, 9903..9964, 10176..10283, 10362..10396, 10528..10686, 11073..11164, 11253..11329, 11737..11814, 11969..12067		

Seq. No.	31460	Seq. ID	OJ990619_45.9C20.C10
Gene No.	65088	Strand	+
Start	6616	End	13615
Name	OJ990619_45.9C20.C10.o2.np	Method	AAT/NAP
Start	7393	End	11175
GI	6682622	Score	542
Exons	7393..7590, 8293..8346, 8802..8948, 9361..9470, 9567..9694, 9903..9964, 10176..10283, 10362..10396, 10618..10686, 11073..11175		
GI Descrip.	(AC016163) unknown protein [Arabidopsis thaliana]		

Seq. No.	31460	Seq. ID	OJ990619_45.9C20.C10
Gene No.	65088	Strand	+
Start	6616	End	13615
Name	OJ990619_45.9C20.C10.o2.gp	Method	AAT/GAP
Start	9577	End	12312

GI	85389_1.R1084	Score	1758
Exons	9577..9694, 9903..9964, 10176..10283, 10362..10396, 10618..10686, 11073..11164, 11253..11329, 11737..11814, 11969..12312		
GI Descrip.	'4960024/gb\|AAD34585.1\| 2.0e-75 (AF144079) S-adenosyl-L-methionine:L-methionine S-methyltransferase [Zea mays]'		

Seq. No.	31460	Seq. ID	OJ990619_45.9C20.C10
Gene No.	65088	Strand	+
Start	6616	End	13615
Name	OJ990619_45.9C20.C10.o3.np	Method	AAT/NAP
Start	9644	End	13615
GI	4680207	Score	145
Exons	9644..9673, 12924..13260, 13582..13615		
GI Descrip.	(AF114171) disease resistance protein RPM1 homolog [Sorghum bicolor]		

Seq. No.	31460	Seq. ID	OJ990619_45.9C20.C10
Gene No.	65089	Strand	-
Start	2855	End	5786
Name	OJ990619_45.9C20.C10.o2.gs	Method	GENSCAN
Start	2855	End	5786
GI	none	Score	.88
Exons	2855..2906, 3432..3535, 3884..4039, 4290..4361, 5274..5321, 5608..5680, 5773..5786		

Seq. No.	31460	Seq. ID	OJ990619_45.9C20.C10
Gene No.	65090	Strand	-
Start	13348	End	13545
Name	OJ990619_45.9C20.C10.o1.ts	Method	TBLASTX:Soybean
Start	275	End	5680
GI	none	Score	266
Exons	275..445, 313..444, 1691..1960, 1751..1957, 1957..2145, 1958..2146, 2171..2242, 3440..3538, 3935..4039, 4287..4361, 5603..5680, 5611..5679		

Seq. No.	31460	Seq. ID	OJ990619_45.9C20.C10
Gene No.	65090	Strand	-
Start	13348	End	13545
Name	OJ990619_45.9C20.C10.o1.tc	Method	TBLASTX:Cress
Start	284	End	5734
GI	none	Score	257
Exons	284..445, 287..346, 313..444, 1691..2146, 1750..2142, 1947..2162, 2171..2242, 2173..2238, 3440..3538, 3884..4039, 4287..4361, 5603..5734, 5611..5679		

Seq. No.	31460	Seq. ID	OJ990619_45.9C20.C10
Gene No.	65090	Strand	-
Start	13348	End	13545
Name	OJ990619_45.9C20.C10.o2.tw	Method	TBLASTX:Wheat
Start	287	End	5698
GI	none	Score	245
Exons	287..445, 293..346, 316..444, 5587..5679, 5603..5698, 5611..5679		

Seq. No.	31460	Seq. ID	OJ990619_45.9C20.C10
Gene No.	65090	Strand	-

Start	13348	End	13545
Name	OJ990619_45.9C20.C10.o1.tm	Method	TBLASTX:Maize
Start	296	End	5679
GI	none	Score	222
Exons	296..445, 316..444, 1691..2146, 1750..2145, 3440..3535, 3887..4039, 4287..4361, 5611..5679		

Seq. No.	31460	Seq. ID	OJ990619_45.9C20.C10
Gene No.	65090	Strand	-
Start	13348	End	13545
Name	OJ990619_45.9C20.C10.o1.tw	Method	TBLASTX:Wheat
Start	1754	End	4361
GI	none	Score	433
Exons	1754..2128, 1771..2127, 1781..2131, 1932..2132, 3440..3538, 3884..4039, 4287..4361		

Seq. No.	31460	Seq. ID	OJ990619_45.9C20.C10
Gene No.	65090	Strand	-
Start	13348	End	13545
Name	OJ990619_45.9C20.C10.o2.tm	Method	TBLASTX:Maize
Start	6610	End	6882
GI	none	Score	367
Exons	6610..6882, 6615..6881		

Seq. No.	31460	Seq. ID	OJ990619_45.9C20.C10
Gene No.	65090	Strand	-
Start	13348	End	13545
Name	OJ990619_45.9C20.C10.o3.tm	Method	TBLASTX:Maize
Start	9572	End	12070
GI	none	Score	146
Exons	9572..9694, 9573..9695, 9574..9696, 9901..9984, 9902..9961, 10169..10282, 10170..10286, 10176..10289, 10359..10403, 10359..10394, 10361..10402, 10616..10687, 10618..10692, 10618..10707, 11049..11171, 11071..11166, 11254..11331, 11255..11332, 11736..11753, 11737..11814, 11743..11814, 11744..11827, 11953..12069, 11966..12070		

Seq. No.	31460	Seq. ID	OJ990619_45.9C20.C10
Gene No.	65090	Strand	-
Start	13348	End	13545
Name	OJ990619_45.9C20.C10.o4.gs	Method	GENSCAN
Start	13348	End	13545
GI	none	Score	.83
Exons	13348..13545		

Seq. No.	31461	Seq. ID	OJ990619_45.9C20.C11
Gene No.	65091	Strand	+
Start	777	End	1009
Name	OJ990619_45.9C20.C11.o1.gp	Method	AAT/GAP
Start	777	End	1009
GI	2427831	Score	346
Exons	777..1009		
GI Descrip.	5852181/emb\|CAB55419.1\| 3.0e-21 (AL117265) zhb0011.1 [Oryza sativa]		

Seq. No.	31461	Seq. ID	OJ990619_45.9C20.C11
Gene No.	65092	Strand	+

Start	2837	End	5145
Name	OJ990619_45.9C20.C11.o1.np	Method	AAT/NAP
Start	2837	End	5145
GI	4538978	Score	423
Exons	2837..2915, 3038..3108, 3766..3871, 4524..4656, 4762..4890, 5113..5145		
GI Descrip.	(AL049487) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	31461	Seq. ID	OJ990619_45.9C20.C11
Gene No.	65092	Strand	+
Start	2837	End	5145
Name	OJ990619_45.9C20.C11.o3.gp	Method	AAT/GAP
Start	3807	End	5144
GI	77222_3.R1084	Score	948
Exons	3807..3871, 4524..4656, 4762..5144		
GI Descrip.	'4538978/emb\|CAB39766.1\| 4.0e-30 (AL049487) hypothetical protein [Arabidopsis thaliana]'		

Seq. No.	31461	Seq. ID	OJ990619_45.9C20.C11
Gene No.	65093	Strand	+
Start	5458	End	5818
Name	OJ990619_45.9C20.C11.o4.gp	Method	AAT/GAP
Start	5458	End	5818
GI	none	Score	505
Exons	5458..5818		

Seq. No.	31461	Seq. ID	OJ990619_45.9C20.C11
Gene No.	65094	Strand	+
Start	14104	End	14893
Name	OJ990619_45.9C20.C11.o6.gp	Method	AAT/GAP
Start	14104	End	14893
GI	none	Score	802
Exons	14104..14229, 14351..14410, 14502..14548, 14692..14893		

Seq. No.	31461	Seq. ID	OJ990619_45.9C20.C11
Gene No.	65094	Strand	+
Start	14104	End	14893
Name	OJ990619_45.9C20.C11.o3.np	Method	AAT/NAP
Start	14351	End	14776
GI	6587827	Score	225
Exons	14351..14410, 14502..14548, 14692..14776		
GI Descrip.	(AC006551) Unknown protein [Arabidopsis thaliana]		

Seq. No.	31461	Seq. ID	OJ990619_45.9C20.C11
Gene No.	65095	Strand	-
Start	325	End	14201
Name	OJ990619_45.9C20.C11.o1.gs	Method	GENSCAN
Start	325	End	14201
GI	none	Score	.79
Exons	325..518, 738..947, 2312..2699, 6605..6787, 7149..7361, 8162..8977, 9114..9506, 10578..10696, 10794..10932, 14127..14201		

Seq. No.	31461	Seq. ID	OJ990619_45.9C20.C11
Gene No.	65095	Strand	-
Start	325	End	14201
Name	OJ990619_45.9C20.C11.o2.tm	Method	TBLASTX:Maize
Start	2756	End	4907

GI	none	Score	94
Exons	2756..2785, 2838..2927, 2839..2916, 3006..3110, 3035..3112, 3753..3869, 3758..3877, 3765..3857, 4518..4655, 4521..4655, 4522..4659, 4522..4659, 4761..4907, 4762..4899		

Seq. No.	31461	Seq. ID	OJ990619_45.9C20.C11
Gene No.	65095	Strand	-
Start	325	End	14201
Name	OJ990619_45.9C20.C11.o2.ts	Method	TBLASTX:Soybean
Start	2869	End	4886
GI	none	Score	62
Exons	2869..2916, 3006..3110, 3035..3109, 3711..3869, 3758..3871, 4477..4659, 4518..4655, 4762..4884, 4764..4886		

Seq. No.	31461	Seq. ID	OJ990619_45.9C20.C11
Gene No.	65095	Strand	-
Start	325	End	14201
Name	OJ990619_45.9C20.C11.o2.np	Method	AAT/NAP
Start	5602	End	8468
GI	3152559	Score	546
Exons	5602..5649, 6605..6787, 7149..7361, 8162..8468		
GI Descrip.	(AC002986) Similarity to A. thaliana gene product F21M12.20, gb\|AC000132. EST gb\|Z25651 comes from this gene. [Arabidopsis thaliana]		

Seq. No.	31461	Seq. ID	OJ990619_45.9C20.C11
Gene No.	65095	Strand	-
Start	325	End	14201
Name	OJ990619_45.9C20.C11.o1.tw	Method	TBLASTX:Wheat
Start	6641	End	7370
GI	none	Score	241
Exons	6641..6787, 7146..7370, 7156..7368		

Seq. No.	31461	Seq. ID	OJ990619_45.9C20.C11
Gene No.	65095	Strand	-
Start	325	End	14201
Name	OJ990619_45.9C20.C11.o1.tc	Method	TBLASTX:Cress
Start	6653	End	8381
GI	none	Score	249
Exons	6653..6787, 7146..7370, 7147..7374, 8156..8185, 8157..8183, 8206..8367, 8213..8380, 8213..8380, 8250..8381		

Seq. No.	31461	Seq. ID	OJ990619_45.9C20.C11
Gene No.	65095	Strand	-
Start	325	End	14201
Name	OJ990619_45.9C20.C11.o1.ts	Method	TBLASTX:Soybean
Start	6689	End	8380
GI	none	Score	256
Exons	6689..6781, 7146..7370, 7147..7374, 8156..8185, 8213..8380, 8250..8378		

Seq. No.	31461	Seq. ID	OJ990619_45.9C20.C11
Gene No.	65095	Strand	-
Start	325	End	14201
Name	OJ990619_45.9C20.C11.o4.tm	Method	TBLASTX:Maize
Start	7107	End	7278
GI	none	Score	98

Exons	7107..7277, 7137..7277, 7138..7278		
Seq. No.	31461	Seq. ID	OJ990619_45.9C20.C11
Gene No.	65095	Strand	-
Start	325	End	14201
Name	OJ990619_45.9C20.C11.o1.tm	Method	TBLASTX:Maize
Start	7278	End	8499
GI	none	Score	107
Exons	7278..7370, 7284..7370, 7285..7374, 7285..7377, 8154..8201, 8156..8206, 8194..8499, 8204..8497		
Seq. No.	31461	Seq. ID	OJ990619_45.9C20.C11
Gene No.	65095	Strand	-
Start	325	End	14201
Name	OJ990619_45.9C20.C11.o3.tm	Method	TBLASTX:Maize
Start	8537	End	8753
GI	none	Score	136
Exons	8537..8752, 8538..8753, 8553..8732, 8554..8745		
Seq. No.	31461	Seq. ID	OJ990619_45.9C20.C11
Gene No.	65095	Strand	-
Start	325	End	14201
Name	OJ990619_45.9C20.C11.o5.gp	Method	AAT/GAP
Start	9352	End	12377
GI	none	Score	912
Exons	9352..9506, 10577..10696, 10794..10932, 12269..12377		
Seq. No.	31462	Seq. ID	OJ990619_45.9C20.C15
Gene No.	65096	Strand	-
Start	170	End	331
Name	OJ990619_45.9C20.C15.o1.gs	Method	GENSCAN
Start	170	End	331
GI	none	Score	.63
Exons	170..331		
Seq. No.	31463	Seq. ID	OJ990619_41.9C17.C1
Gene No.	65097	Strand	+
Start	68	End	851
Name	OJ990619_41.9C17.C1.o1.gs	Method	GENSCAN
Start	68	End	851
GI	none	Score	.43
Exons	68..851		
Seq. No.	31463	Seq. ID	OJ990619_41.9C17.C1
Gene No.	65098	Strand	+
Start	1330	End	8346
Name	OJ990619_41.9C17.C1.o2.gs	Method	GENSCAN
Start	1330	End	7424
GI	none	Score	.42
Exons	1330..1476, 1998..2201, 2834..2876, 3115..3239, 3612..3653, 4168..4949, 5028..5398, 5503..6690, 6871..7424		
Seq. No.	31463	Seq. ID	OJ990619_41.9C17.C1
Gene No.	65098	Strand	+
Start	1330	End	8346
Name	OJ990619_41.9C17.C1.o1.np	Method	AAT/NAP
Start	2852	End	7403

GI	4680203	Score	3029
Exons	2852..2875, 4174..5765, 5919..6149, 6426..7403		
GI Descrip.	(AF114171) TNP2-like protein [Sorghum bicolor]		

Seq. No.	31463	Seq. ID	OJ990619_41.9C17.C1
Gene No.	65098	Strand	+
Start	1330	End	8346
Name	OJ990619_41.9C17.C1.o1.gp	Method	AAT/GAP
Start	3680	End	5301
GI	2310235	Score	299
Exons	3680..3717, 4168..4307, 5281..5301		
GI Descrip.	5852182/emb\|CAB55420.1\| 9.0e-13 (AL117265) zhb0012.1 [Oryza sativa]		

Seq. No.	31463	Seq. ID	OJ990619_41.9C17.C1
Gene No.	65098	Strand	+
Start	1330	End	8346
Name	OJ990619_41.9C17.C1.o2.gp	Method	AAT/GAP
Start	4176	End	8263
GI	342_1.R1084	Score	6519
Exons	4176..7495, 7640..7661, 7739..8263		
GI Descrip.	'4574406/gb\|AAD24042.1\| 0.0e+00 (AF121139) RIM2 protein [Oryza sativa]'		

Seq. No.	31463	Seq. ID	OJ990619_41.9C17.C1
Gene No.	65098	Strand	+
Start	1330	End	8346
Name	OJ990619_41.9C17.C1.o4.gp	Method	AAT/GAP
Start	4176	End	8178
GI	342_1.R1084	Score	6389
Exons	4176..7495, 7640..7661, 7739..8178		
GI Descrip.	'4574406/gb\|AAD24042.1\| 0.0e+00 (AF121139) RIM2 protein [Oryza sativa]'		

Seq. No.	31463	Seq. ID	OJ990619_41.9C17.C1
Gene No.	65098	Strand	+
Start	1330	End	8346
Name	OJ990619_41.9C17.C1.o3.gp	Method	AAT/GAP
Start	4176	End	8216
GI	342_1.R1084	Score	6449
Exons	4176..7495, 7640..7661, 7739..8216		
GI Descrip.	'4574406/gb\|AAD24042.1\| 0.0e+00 (AF121139) RIM2 protein [Oryza sativa]'		

Seq. No.	31463	Seq. ID	OJ990619_41.9C17.C1
Gene No.	65098	Strand	+
Start	1330	End	8346
Name	OJ990619_41.9C17.C1.o6.gp	Method	AAT/GAP
Start	4257	End	8346
GI	342_1.R1084	Score	6533
Exons	4257..7495, 7640..7661, 7739..8346		
GI Descrip.	'4574406/gb\|AAD24042.1\| 0.0e+00 (AF121139) RIM2 protein [Oryza sativa]'		

Seq. No.	31463	Seq. ID	OJ990619_41.9C17.C1
Gene No.	65098	Strand	+
Start	1330	End	8346

Name	OJ990619_41.9C17.C1.o5.gp	Method	AAT/GAP
Start	4259	End	8346
GI	342_1.R1084	Score	6529
Exons	4259..7495, 7640..7661, 7739..8346		
GI Descrip.	'4574406/gb\|AAD24042.1\| 0.0e+00 (AF121139) RIM2 protein [Oryza sativa]'		

Seq. No.	31463	Seq. ID	OJ990619_41.9C17.C1
Gene No.	65098	Strand	+
Start	1330	End	8346
Name	OJ990619_41.9C17.C1.o3.tw	Method	TBLASTX:Wheat
Start	4482	End	4870
GI	none	Score	98
Exons	4482..4604, 4519..4626, 4609..4860, 4617..4859, 4619..4870		

Seq. No.	31463	Seq. ID	OJ990619_41.9C17.C1
Gene No.	65098	Strand	+
Start	1330	End	8346
Name	OJ990619_41.9C17.C1.o1.ts	Method	TBLASTX:Soybean
Start	4791	End	5220
GI	none	Score	93
Exons	4791..4874, 4792..4866, 4956..5207, 4957..5220		

Seq. No.	31463	Seq. ID	OJ990619_41.9C17.C1
Gene No.	65098	Strand	+
Start	1330	End	8346
Name	OJ990619_41.9C17.C1.o2.tc	Method	TBLASTX:Cress
Start	4953	End	5301
GI	none	Score	306
Exons	4953..5105, 4960..5301, 5145..5297		

Seq. No.	31463	Seq. ID	OJ990619_41.9C17.C1
Gene No.	65098	Strand	+
Start	1330	End	8346
Name	OJ990619_41.9C17.C1.o1.tm	Method	TBLASTX:Maize
Start	4960	End	5348
GI	none	Score	57
Exons	4960..5049, 5065..5346, 5088..5348		

Seq. No.	31463	Seq. ID	OJ990619_41.9C17.C1
Gene No.	65098	Strand	+
Start	1330	End	8346
Name	OJ990619_41.9C17.C1.o2.tw	Method	TBLASTX:Wheat
Start	5089	End	5512
GI	none	Score	72
Exons	5089..5142, 5097..5141, 5143..5247, 5154..5243, 5251..5349, 5256..5348, 5259..5351, 5329..5487, 5351..5488, 5352..5480, 5478..5507, 5486..5512		

Seq. No.	31463	Seq. ID	OJ990619_41.9C17.C1
Gene No.	65098	Strand	+
Start	1330	End	8346
Name	OJ990619_41.9C17.C1.o4.tw	Method	TBLASTX:Wheat
Start	5645	End	6031
GI	none	Score	51
Exons	5645..5671, 5646..5684, 5670..5912, 5690..5872, 5945..6031, 5946..6029		

Seq. No.	31463	Seq. ID	OJ990619_41.9C17.C1
Gene No.	65098	Strand	+
Start	1330	End	8346
Name	OJ990619_41.9C17.C1.o1.tw	Method	TBLASTX:Wheat
Start	6032	End	7343
GI	none	Score	907
Exons	6032..6934, 6033..6950, 6941..6988, 6945..6989, 6992..7054, 6996..7055, 7034..7174, 7035..7163, 7065..7181, 7188..7268, 7257..7343		

Seq. No.	31463	Seq. ID	OJ990619_41.9C17.C1
Gene No.	65098	Strand	+
Start	1330	End	8346
Name	OJ990619_41.9C17.C1.o2.tm	Method	TBLASTX:Maize
Start	6075	End	6389
GI	none	Score	299
Exons	6075..6389, 6092..6361, 6159..6389		

Seq. No.	31463	Seq. ID	OJ990619_41.9C17.C1
Gene No.	65098	Strand	+
Start	1330	End	8346
Name	OJ990619_41.9C17.C1.o1.tc	Method	TBLASTX:Cress
Start	6320	End	6767
GI	none	Score	107
Exons	6320..6475, 6320..6763, 6324..6767		

Seq. No.	31464	Seq. ID	OJ990619_41.9C17.C2
Gene No.	65099	Strand	+
Start	108	End	4915
Name	OJ990619_41.9C17.C2.o1.gs	Method	GENSCAN
Start	108	End	4874
GI	none	Score	.74
Exons	108..244, 1280..2635, 2731..2872, 2922..3831, 4213..4323, 4408..4480, 4583..4681, 4761..4874		

Seq. No.	31464	Seq. ID	OJ990619_41.9C17.C2
Gene No.	65099	Strand	+
Start	108	End	4915
Name	OJ990619_41.9C17.C2.o1.np	Method	AAT/NAP
Start	1199	End	4915
GI	4680204	Score	1006
Exons	1199..2635, 2731..3868, 3980..4116, 4213..4432, 4791..4915		
GI Descrip.	(AF114171) hypothetical protein [Sorghum bicolor]		

Seq. No.	31464	Seq. ID	OJ990619_41.9C17.C2
Gene No.	65100	Strand	-
Start	3266	End	3731
Name	OJ990619_41.9C17.C2.o1.tw	Method	TBLASTX:Wheat
Start	1842	End	2245
GI	none	Score	221
Exons	1842..1958, 1844..2080, 1844..2038, 1945..2112, 2075..2245		

Seq. No.	31464	Seq. ID	OJ990619_41.9C17.C2
Gene No.	65100	Strand	-
Start	3266	End	3731
Name	OJ990619_41.9C17.C2.o2.tw	Method	TBLASTX:Wheat

Start	2246	End	2943
GI	none	Score	70
Exons	2246..2326, 2566..2637, 2567..2641, 2724..2798, 2725..2943		

Seq. No.	31464	Seq. ID	OJ990619_41.9C17.C2
Gene No.	65100	Strand	-
Start	3266	End	3731
Name	OJ990619_41.9C17.C2.o1.gp	Method	AAT/GAP
Start	3266	End	3731
GI	uC-osflcyp176f10b1	Score	844
Exons	3266..3731		
GI Descrip.	'6041757/gb\|AC011806.1\|AC011806 0.0e+00 Genomic Sequence For Oryza sativa Clone 10P20, Lemont Strain, Complete Sequence, complete sequence'		

Seq. No.	31464	Seq. ID	OJ990619_41.9C17.C2
Gene No.	65101	Strand	
Start	3758	End	4282
Name	OJ990619_41.9C17.C2.o3.tw	Method	TBLASTX:Wheat
Start	3758	End	4282
GI	none	Score	61
Exons	3758..3838, 3929..4111, 3979..4104, 4211..4282		

Seq. No.	31465	Seq. ID	OJ990619_41.9C17.C3
Gene No.	65102	Strand	-
Start	780	End	869
Name	OJ990619_41.9C17.C3.o1.gs	Method	GENSCAN
Start	780	End	869
GI	none	Score	.52
Exons	780..869		

Seq. No.	31466	Seq. ID	OJ990619_41.9C17.C4
Gene No.	65103	Strand	+
Start	1	End	589
Name	OJ990619_41.9C17.C4.o1.np	Method	AAT/NAP
Start	1	End	589
GI	5902445	Score	930
Exons	1..589		
GI Descrip.	(AB030283) GAG-POL precursor [Oryza sativa]		

Seq. No.	31466	Seq. ID	OJ990619_41.9C17.C4
Gene No.	65103	Strand	+
Start	1	End	589
Name	OJ990619_41.9C17.C4.o2.tw	Method	TBLASTX:Wheat
Start	1	End	219
GI	none	Score	225
Exons	1..219, 6..191, 37..192		

Seq. No.	31466	Seq. ID	OJ990619_41.9C17.C4
Gene No.	65103	Strand	+
Start	1	End	589
Name	OJ990619_41.9C17.C4.o1.tw	Method	TBLASTX:Wheat
Start	231	End	587
GI	none	Score	221
Exons	231..434, 269..448, 464..586, 465..587		

Seq. No.	31467	Seq. ID	OJ990619_41.9C17.C5

Gene No.	65104	Strand	-
Start	420	End	1568
Name	OJ990619_41.9C17.C5.o1.tc	Method	TBLASTX:Cress
Start	245	End	888
GI	none	Score	100
Exons	245..322, 246..323, 261..326, 450..887, 454..888, 455..676, 456..884, 487..888		

Seq. No.	31467	Seq. ID	OJ990619_41.9C17.C5
Gene No.	65104	Strand	-
Start	420	End	1568
Name	OJ990619_41.9C17.C5.o1.gp	Method	AAT/GAP
Start	416	End	832
GI	LIB3431-040-P1-K2-C1	Score	684
Exons	416..832		
GI Descrip.	'114521/sp\|P12084\|ATPA_ORYSA 6.0e-53 ATP SYNTHASE ALPHA CHAIN >gi_67827_pir__PWRZA H+-transporting ATP synthase (EC 3.6.1.34) alpha chain - rice chloroplast >gi_11979_emb_CAA33993_ (X15901) ATPase alpha subunit [Oryza sativa] >gi_226696_prf__1603356X ATPase alpha [Oryza sativa]'		

Seq. No.	31467	Seq. ID	OJ990619_41.9C17.C5
Gene No.	65104	Strand	-
Start	420	End	1568
Name	OJ990619_41.9C17.C5.o1.gs	Method	GENSCAN
Start	420	End	1301
GI	none	Score	.78
Exons	420..1069, 1154..1301		

Seq. No.	31467	Seq. ID	OJ990619_41.9C17.C5
Gene No.	65104	Strand	-
Start	420	End	1568
Name	OJ990619_41.9C17.C5.o1.np	Method	AAT/NAP
Start	447	End	1568
GI	114521	Score	1262
Exons	447..1309, 1514..1568		
GI Descrip.	ATP SYNTHASE ALPHA CHAIN gi\|67827\|pir\|\|PWRZA H+-transporting ATP synthase (EC 3.6.1.34) alpha chain - rice chloroplast gi\|11979\|emb\|CAA33993\| (X15901) ATPase alpha subunit [Oryza sativa] gi\|226696\|prf\|\|1603356X ATPase alpha [Oryza sativa]		

Seq. No.	31467	Seq. ID	OJ990619_41.9C17.C5
Gene No.	65104	Strand	-
Start	420	End	1568
Name	OJ990619_41.9C17.C5.o1.ts	Method	TBLASTX:Soybean
Start	450	End	944
GI	none	Score	373
Exons	450..890, 450..944, 487..942		

Seq. No.	31467	Seq. ID	OJ990619_41.9C17.C5
Gene No.	65104	Strand	-
Start	420	End	1568
Name	OJ990619_41.9C17.C5.o2.tc	Method	TBLASTX:Cress
Start	888	End	1133
GI	none	Score	327
Exons	888..1133, 889..1131		

Seq. No.	31468	Seq. ID	OJ990619_41.9C17.C6
Gene No.	65105	Strand	+
Start	78	End	186
Name	OJ990619_41.9C17.C6.o1.gs	Method	GENSCAN
Start	78	End	186
GI	none	Score	.61
Exons	78..186		

Seq. No.	31469	Seq. ID	OJ990619_41.9C17.C8
Gene No.	65106	Strand	-
Start	374	End	9723
Name	OJ990619_41.9C17.C8.o1.gs	Method	GENSCAN
Start	374	End	8907
GI	none	Score	.44
Exons	374..565, 653..745, 840..921, 1202..1453, 1539..2109, 3119..3806, 3897..4020, 4046..4101, 4691..5044, 5767..8907		

Seq. No.	31469	Seq. ID	OJ990619_41.9C17.C8
Gene No.	65106	Strand	-
Start	374	End	9723
Name	OJ990619_41.9C17.C8.o2.np	Method	AAT/NAP
Start	5854	End	9723
GI	4680203	Score	1694
Exons	5854..6705, 6982..7206, 7363..9084, 9656..9723		
GI Descrip.	(AF114171) TNP2-like protein [Sorghum bicolor]		

Seq. No.	31469	Seq. ID	OJ990619_41.9C17.C8
Gene No.	65106	Strand	-
Start	374	End	9723
Name	OJ990619_41.9C17.C8.o3.ts	Method	TBLASTX:Soybean
Start	5899	End	6111
GI	none	Score	90
Exons	5899..6111, 5953..6111		

Seq. No.	31469	Seq. ID	OJ990619_41.9C17.C8
Gene No.	65106	Strand	-
Start	374	End	9723
Name	OJ990619_41.9C17.C8.o1.tw	Method	TBLASTX:Wheat
Start	5959	End	7092
GI	none	Score	64
Exons	5959..6060, 5966..6058, 6062..6181, 6091..6192, 6169..6357, 6185..6367, 6376..7092, 6464..7039		

Seq. No.	31469	Seq. ID	OJ990619_41.9C17.C8
Gene No.	65106	Strand	-
Start	374	End	9723
Name	OJ990619_41.9C17.C8.o3.tm	Method	TBLASTX:Maize
Start	6193	End	6483
GI	none	Score	112
Exons	6193..6300, 6194..6301, 6313..6483, 6319..6435		

Seq. No.	31469	Seq. ID	OJ990619_41.9C17.C8
Gene No.	65106	Strand	-
Start	374	End	9723
Name	OJ990619_41.9C17.C8.o1.tc	Method	TBLASTX:Cress
Start	6376	End	6801
GI	none	Score	134

Exons	6376..6801, 6464..6793		
Seq. No.	31469	Seq. ID	OJ990619_41.9C17.C8
Gene No.	65106	Strand	-
Start	374	End	9723
Name	OJ990619_41.9C17.C8.o1.tm	Method	TBLASTX:Maize
Start	6733	End	7116
GI	none	Score	273
Exons	6733..7047, 6734..7048, 6923..7048, 7048..7116		
Seq. No.	31469	Seq. ID	OJ990619_41.9C17.C8
Gene No.	65106	Strand	-
Start	374	End	9723
Name	OJ990619_41.9C17.C8.o2.tm	Method	TBLASTX:Maize
Start	7621	End	8106
GI	none	Score	74
Exons	7621..7710, 7625..7714, 7714..7761, 7762..7809, 7803..7838, 7906..7995, 7907..7999, 8002..8106, 8003..8098		
Seq. No.	31469	Seq. ID	OJ990619_41.9C17.C8
Gene No.	65106	Strand	-
Start	374	End	9723
Name	OJ990619_41.9C17.C8.o3.tw	Method	TBLASTX:Wheat
Start	7672	End	8007
GI	none	Score	57
Exons	7672..7710, 7720..7818, 7736..7807, 7864..7962, 7871..7960, 7966..8007		
Seq. No.	31469	Seq. ID	OJ990619_41.9C17.C8
Gene No.	65106	Strand	-
Start	374	End	9723
Name	OJ990619_41.9C17.C8.o2.tc	Method	TBLASTX:Cress
Start	7912	End	8244
GI	none	Score	82
Exons	7912..8244, 7967..8074, 8108..8158		
Seq. No.	31469	Seq. ID	OJ990619_41.9C17.C8
Gene No.	65106	Strand	-
Start	374	End	9723
Name	OJ990619_41.9C17.C8.o2.ts	Method	TBLASTX:Soybean
Start	7993	End	8268
GI	none	Score	130
Exons	7993..8268, 7994..8233		
Seq. No.	31469	Seq. ID	OJ990619_41.9C17.C8
Gene No.	65106	Strand	-
Start	374	End	9723
Name	OJ990619_41.9C17.C8.o2.tw	Method	TBLASTX:Wheat
Start	8008	End	8601
GI	none	Score	69
Exons	8008..8133, 8009..8116, 8137..8253, 8152..8250, 8309..8599, 8311..8601		
Seq. No.	31469	Seq. ID	OJ990619_41.9C17.C8
Gene No.	65106	Strand	-
Start	374	End	9723
Name	OJ990619_41.9C17.C8.o1.ts	Method	TBLASTX:Soybean

Start	8311	End	8583
GI	none	Score	101
Exons	8311..8583, 8318..8566		

Seq. No.	31470	Seq. ID	OJ990619_41.9C17.C9
Gene No.	65107	Strand	+
Start	875	End	1476
Name	OJ990619_41.9C17.C9.o1.gs	Method	GENSCAN
Start	875	End	1476
GI	none	Score	.73
Exons	875..992, 1319..1476		

Seq. No.	31470	Seq. ID	OJ990619_41.9C17.C9
Gene No.	65108	Strand	+
Start	2790	End	6219
Name	OJ990619_41.9C17.C9.o1.np	Method	AAT/NAP
Start	2790	End	6219
GI	6721547	Score	84
Exons	2790..2874, 6178..6219		
GI Descrip.	(AP001073) Similar to Oryza sativa gene for Pib. (AB013448)		

Seq. No.	31470	Seq. ID	OJ990619_41.9C17.C9
Gene No.	65108	Strand	+
Start	2790	End	6219
Name	OJ990619_41.9C17.C9.o2.gs	Method	GENSCAN
Start	4578	End	6027
GI	none	Score	.52
Exons	4578..5168, 5631..6027		

Seq. No.	31470	Seq. ID	OJ990619_41.9C17.C9
Gene No.	65108	Strand	+
Start	2790	End	6219
Name	OJ990619_41.9C17.C9.o3.np	Method	AAT/NAP
Start	4829	End	6219
GI	2746847	Score	476
Exons	4829..5054, 5313..5527, 5631..6219		
GI Descrip.	(AF040649) contains similarity to helicases [Caenorhabditis elegans]		

Seq. No.	31470	Seq. ID	OJ990619_41.9C17.C9
Gene No.	65109	Strand	-
Start	4541	End	6219
Name	OJ990619_41.9C17.C9.o2.tm	Method	TBLASTX:Maize
Start	3873	End	4133
GI	none	Score	58
Exons	3873..4133, 3879..3959		

Seq. No.	31470	Seq. ID	OJ990619_41.9C17.C9
Gene No.	65109	Strand	-
Start	4541	End	6219
Name	OJ990619_41.9C17.C9.o3.tw	Method	TBLASTX:Wheat
Start	3879	End	4145
GI	none	Score	68
Exons	3879..4145, 3943..4137		

Seq. No.	31470	Seq. ID	OJ990619_41.9C17.C9
Gene No.	65109	Strand	-

Start	4541	End	6219
Name	OJ990619_41.9C17.C9.o1.tm	Method	TBLASTX:Maize
Start	4518	End	4811
GI	none	Score	77
Exons	4518..4790, 4534..4632, 4538..4810, 4539..4811		

Seq. No.	31470	Seq. ID	OJ990619_41.9C17.C9
Gene No.	65109	Strand	-
Start	4541	End	6219
Name	OJ990619_41.9C17.C9.o2.np	Method	AAT/NAP
Start	4541	End	6219
GI	1171579	Score	259
Exons	4541..4799, 6197..6219		
GI Descrip.	(X95342) cytochrome P450 [Nicotiana tabacum]		

Seq. No.	31470	Seq. ID	OJ990619_41.9C17.C9
Gene No.	65109	Strand	-
Start	4541	End	6219
Name	OJ990619_41.9C17.C9.o1.ts	Method	TBLASTX:Soybean
Start	4544	End	4811
GI	none	Score	198
Exons	4544..4810, 4548..4811		

Seq. No.	31470	Seq. ID	OJ990619_41.9C17.C9
Gene No.	65109	Strand	-
Start	4541	End	6219
Name	OJ990619_41.9C17.C9.o1.tc	Method	TBLASTX:Cress
Start	4586	End	4811
GI	none	Score	126
Exons	4586..4810, 4590..4811		

Seq. No.	31470	Seq. ID	OJ990619_41.9C17.C9
Gene No.	65109	Strand	-
Start	4541	End	6219
Name	OJ990619_41.9C17.C9.o2.tw	Method	TBLASTX:Wheat
Start	4587	End	4810
GI	none	Score	119
Exons	4587..4793, 4595..4810		

Seq. No.	31470	Seq. ID	OJ990619_41.9C17.C9
Gene No.	65109	Strand	-
Start	4541	End	6219
Name	OJ990619_41.9C17.C9.o1.tw	Method	TBLASTX:Wheat
Start	5627	End	5975
GI	none	Score	69
Exons	5627..5824, 5654..5929, 5655..5975, 5685..5975		

Seq. No.	31470	Seq. ID	OJ990619_41.9C17.C9
Gene No.	65109	Strand	-
Start	4541	End	6219
Name	OJ990619_41.9C17.C9.o3.tm	Method	TBLASTX:Maize
Start	5667	End	6011
GI	none	Score	135
Exons	5667..5852, 5847..6011		

Seq. No.	31471	Seq. ID	OJ990619_41.9C17.C10
Gene No.	65110	Strand	+

Start	2203	End	7865
Name	OJ990619_41.9C17.C10.o3.np	Method	AAT/NAP
Start	2203	End	2660
GI	82484	Score	711
Exons	2203..2660		
GI Descrip.	hypothetical protein 1 - rice put. ORF 2 [Oryza sativa]	gi\|20382\|emb\|CAA29825\| (X06611)	

Seq. No.	31471	Seq. ID	OJ990619_41.9C17.C10
Gene No.	65110	Strand	+
Start	2203	End	7865
Name	OJ990619_41.9C17.C10.o1.gs	Method	GENSCAN
Start	2397	End	7865
GI	none	Score	.65
Exons	2397..2654, 4903..5826, 5973..6642, 6716..6855, 6977..7166, 7238..7342, 7414..7865		

Seq. No.	31471	Seq. ID	OJ990619_41.9C17.C10
Gene No.	65110	Strand	+
Start	2203	End	7865
Name	OJ990619_41.9C17.C10.o4.np	Method	AAT/NAP
Start	4942	End	7862
GI	6691716	Score	2466
Exons	4942..5826, 6024..6202, 6284..6389, 6466..6642, 6716..6902, 6977..7076, 7226..7342, 7414..7862		
GI Descrip.	(AP000492) hypothetical protein [Oryza sativa] gi\|6691717\|dbj\|BAA89397.1\| (AP000570) hypothetical protein [Oryza sativa]		

Seq. No.	31471	Seq. ID	OJ990619_41.9C17.C10
Gene No.	65111	Strand	-
Start	549	End	1165
Name	OJ990619_41.9C17.C10.o1.np	Method	AAT/NAP
Start	549	End	1165
GI	5852179	Score	344
Exons	549..614, 856..1165		
GI Descrip.	(AL117265) zhb0009.1 [Oryza sativa]		

Seq. No.	31471	Seq. ID	OJ990619_41.9C17.C10
Gene No.	65112	Strand	-
Start	1643	End	1897
Name	OJ990619_41.9C17.C10.o2.np	Method	AAT/NAP
Start	1643	End	1897
GI	82486	Score	437
Exons	1643..1897		
GI Descrip.	hypothetical protein 3 - rice put. ORF 1 [Oryza sativa]	gi\|20381\|emb\|CAA29824\| (X06611)	

Seq. No.	31471	Seq. ID	OJ990619_41.9C17.C10
Gene No.	65113	Strand	-
Start	8191	End	14301
Name	OJ990619_41.9C17.C10.o2.gs	Method	GENSCAN
Start	8191	End	14301
GI	none	Score	.58
Exons	8191..9264, 9490..10344, 10430..10606, 10618..11272, 11369..12657, 12724..13260, 13339..13452, 13618..14301		

Seq. No.	31471	Seq. ID	OJ990619_41.9C17.C10
Gene No.	65113	Strand	-
Start	8191	End	14301
Name	OJ990619_41.9C17.C10.o5.np	Method	AAT/NAP
Start	8227	End	14301
GI	5922631	Score	6645
Exons	8227..10754, 11361..12284, 12411..12570, 12613..13176, 13222..13424, 13674..13918, 14177..14301		
GI Descrip.	(AP000492) ESTs C26347(C12145),AU078074(C12145) correspond to a region of the predicted gene.; similar to prpol; Zea mays retrotransposon Cinful-1. (AF049110) [Oryza sativa] gi\|6016864\|dbj\|BAA85207.1\| (AP000570) ESTs C26347(C12145),AU078074(C12145) correspond to a region of the predicted gene.; Similar to prpol; Zea mays retrotransposon Cinful-1. (AF049110) [Oryza sativ		

Seq. No.	31471	Seq. ID	OJ990619_41.9C17.C10
Gene No.	65114	Strand	-
Start	14734	End	15185
Name	OJ990619_41.9C17.C10.o9.tw	Method	TBLASTX:Wheat
Start	5062	End	5352
GI	none	Score	212
Exons	5062..5352, 5244..5315		

Seq. No.	31471	Seq. ID	OJ990619_41.9C17.C10
Gene No.	65114	Strand	-
Start	14734	End	15185
Name	OJ990619_41.9C17.C10.o4.tw	Method	TBLASTX:Wheat
Start	8203	End	8817
GI	none	Score	83
Exons	8203..8340, 8326..8484, 8539..8817, 8555..8662, 8711..8797		

Seq. No.	31471	Seq. ID	OJ990619_41.9C17.C10
Gene No.	65114	Strand	-
Start	14734	End	15185
Name	OJ990619_41.9C17.C10.o4.tm	Method	TBLASTX:Maize
Start	8240	End	8475
GI	none	Score	104
Exons	8240..8344, 8242..8343, 8323..8475		

Seq. No.	31471	Seq. ID	OJ990619_41.9C17.C10
Gene No.	65114	Strand	-
Start	14734	End	15185
Name	OJ990619_41.9C17.C10.o5.tm	Method	TBLASTX:Maize
Start	8587	End	8860
GI	none	Score	54
Exons	8587..8673, 8683..8766, 8696..8770, 8753..8860, 8761..8859		

Seq. No.	31471	Seq. ID	OJ990619_41.9C17.C10
Gene No.	65114	Strand	-
Start	14734	End	15185
Name	OJ990619_41.9C17.C10.o3.tw	Method	TBLASTX:Wheat
Start	8932	End	9319
GI	none	Score	100
Exons	8932..9123, 8932..9318, 9008..9319		

Seq. No.	31471	Seq. ID	OJ990619_41.9C17.C10

Gene No.	65114	Strand	-
Start	14734	End	15185
Name	OJ990619_41.9C17.C10.o1.tm	Method	TBLASTX:Maize
Start	8962	End	9325
GI	none	Score	67
Exons	8962..9009, 8963..9010, 8981..9316, 9001..9324, 9014..9325		

Seq. No.	31471	Seq. ID	OJ990619_41.9C17.C10
Gene No.	65114	Strand	-
Start	14734	End	15185
Name	OJ990619_41.9C17.C10.o10.tw	Method	TBLASTX:Wheat
Start	9322	End	9621
GI	none	Score	137
Exons	9322..9462, 9475..9621		

Seq. No.	31471	Seq. ID	OJ990619_41.9C17.C10
Gene No.	65114	Strand	-
Start	14734	End	15185
Name	OJ990619_41.9C17.C10.o5.tw	Method	TBLASTX:Wheat
Start	9646	End	10059
GI	none	Score	261
Exons	9646..10059, 9647..10051		

Seq. No.	31471	Seq. ID	OJ990619_41.9C17.C10
Gene No.	65114	Strand	-
Start	14734	End	15185
Name	OJ990619_41.9C17.C10.o2.ts	Method	TBLASTX:Soybean
Start	9682	End	10068
GI	none	Score	147
Exons	9682..9924, 9683..10060, 9964..10068		

Seq. No.	31471	Seq. ID	OJ990619_41.9C17.C10
Gene No.	65114	Strand	-
Start	14734	End	15185
Name	OJ990619_41.9C17.C10.o6.tw	Method	TBLASTX:Wheat
Start	10096	End	10525
GI	none	Score	155
Exons	10096..10524, 10097..10525		

Seq. No.	31471	Seq. ID	OJ990619_41.9C17.C10
Gene No.	65114	Strand	-
Start	14734	End	15185
Name	OJ990619_41.9C17.C10.o3.tm	Method	TBLASTX:Maize
Start	10183	End	10627
GI	none	Score	79
Exons	10183..10209, 10207..10350, 10220..10351, 10372..10626, 10373..10627		

Seq. No.	31471	Seq. ID	OJ990619_41.9C17.C10
Gene No.	65114	Strand	-
Start	14734	End	15185
Name	OJ990619_41.9C17.C10.o1.ts	Method	TBLASTX:Soybean
Start	10294	End	10695
GI	none	Score	123
Exons	10294..10695, 10535..10678		

Seq. No.	31471	Seq. ID	OJ990619_41.9C17.C10

Gene No.	65114	Strand	-
Start	14734	End	15185
Name	OJ990619_41.9C17.C10.o2.tw	Method	TBLASTX:Wheat
Start	10570	End	10989
GI	none	Score	236
Exons	10570..10989, 10571..10987, 10765..10989		

Seq. No.	31471	Seq. ID	OJ990619_41.9C17.C10
Gene No.	65114	Strand	-
Start	14734	End	15185
Name	OJ990619_41.9C17.C10.o2.tm	Method	TBLASTX:Maize
Start	10858	End	11214
GI	none	Score	204
Exons	10858..11214, 10868..11173		

Seq. No.	31471	Seq. ID	OJ990619_41.9C17.C10
Gene No.	65114	Strand	-
Start	14734	End	15185
Name	OJ990619_41.9C17.C10.o3.ts	Method	TBLASTX:Soybean
Start	10939	End	11304
GI	none	Score	138
Exons	10939..11073, 11080..11304		

Seq. No.	31471	Seq. ID	OJ990619_41.9C17.C10
Gene No.	65114	Strand	-
Start	14734	End	15185
Name	OJ990619_41.9C17.C10.o8.tw	Method	TBLASTX:Wheat
Start	10990	End	11223
GI	none	Score	124
Exons	10990..11202, 10990..11223, 10991..11203		

Seq. No.	31471	Seq. ID	OJ990619_41.9C17.C10
Gene No.	65114	Strand	-
Start	14734	End	15185
Name	OJ990619_41.9C17.C10.o1.tw	Method	TBLASTX:Wheat
Start	11224	End	12021
GI	none	Score	122
Exons	11224..11517, 11228..11389, 11564..11800, 11566..11802, 11845..12021		

Seq. No.	31471	Seq. ID	OJ990619_41.9C17.C10
Gene No.	65114	Strand	-
Start	14734	End	15185
Name	OJ990619_41.9C17.C10.o6.tm	Method	TBLASTX:Maize
Start	11536	End	11713
GI	none	Score	114
Exons	11536..11712, 11567..11713		

Seq. No.	31471	Seq. ID	OJ990619_41.9C17.C10
Gene No.	65114	Strand	-
Start	14734	End	15185
Name	OJ990619_41.9C17.C10.o7.tw	Method	TBLASTX:Wheat
Start	12598	End	13000
GI	none	Score	123
Exons	12598..12999, 12599..13000		

Seq. No.	31471	Seq. ID	OJ990619_41.9C17.C10

Gene No.	65114	Strand	-
Start	14734	End	15185
Name	OJ990619_41.9C17.C10.o3.gs	Method	GENSCAN
Start	14734	End	15185
GI	none	Score	.9
Exons	14734..15071, 15152..15185		

Seq. No.	31472	Seq. ID	OJ990619_41.9C17.C11
Gene No.	65115	Strand	+
Start	597	End	897
Name	OJ990619_41.9C17.C11.o1.gs	Method	GENSCAN
Start	597	End	897
GI	none	Score	.77
Exons	597..618, 818..897		

Seq. No.	31472	Seq. ID	OJ990619_41.9C17.C11
Gene No.	65116	Strand	+
Start	936	End	1584
Name	OJ990619_41.9C17.C11.o2.np	Method	AAT/NAP
Start	936	End	1584
GI	2326759	Score	230
Exons	936..1088, 1555..1584		
GI Descrip.	(Y14433) NADH dehydrogenase subunit 2 [Triticum aestivum]		

Seq. No.	31472	Seq. ID	OJ990619_41.9C17.C11
Gene No.	65117	Strand	-
Start	1	End	1584
Name	OJ990619_41.9C17.C11.o1.np	Method	AAT/NAP
Start	1	End	1584
GI	114534	Score	330
Exons	1..237, 1544..1584		
GI Descrip.	ATP SYNTHASE ALPHA CHAIN gi\|67828\|pir\|\|PWWTA H+-transporting ATP synthase (EC 3.6.1.34) alpha chain - wheat chloroplast gi\|552976 (M16842) ATP synthase alpha subunit [Triticum aestivum]		

Seq. No.	31472	Seq. ID	OJ990619_41.9C17.C11
Gene No.	65117	Strand	-
Start	1	End	1584
Name	OJ990619_41.9C17.C11.o1.ts	Method	TBLASTX:Soybean
Start	20	End	244
GI	none	Score	74
Exons	20..133, 21..89, 87..134, 131..157, 132..158, 148..243, 149..244, 150..236		

Seq. No.	31472	Seq. ID	OJ990619_41.9C17.C11
Gene No.	65117	Strand	-
Start	1	End	1584
Name	OJ990619_41.9C17.C11.o1.tc	Method	TBLASTX:Cress
Start	1399	End	1582
GI	none	Score	83
Exons	1399..1449, 1399..1449, 1400..1459, 1436..1519, 1443..1526, 1444..1527, 1527..1580, 1529..1582, 1530..1580		

Seq. No.	31473	Seq. ID	OJ990619_41.9C17.C12
Gene No.	65118	Strand	+
Start	1	End	3326
Name	OJ990619_41.9C17.C12.o2.np	Method	AAT/NAP

Start	1	End	3326
GI	629764	Score	110
Exons	1..63, 1971..2091, 3305..3326		
GI Descrip.	NADH dehydrogenase subunit 4 - Garden lettuce gi\|976350 (L12246) NADH dehydrogenase subunit 4 [Lactuca sativa]		

Seq. No.	31473	Seq. ID	OJ990619_41.9C17.C12
Gene No.	65118	Strand	+
Start	1	End	3326
Name	OJ990619_41.9C17.C12.o1.np	Method	AAT/NAP
Start	382	End	2848
GI	2326759	Score	602
Exons	382..933, 2740..2848		
GI Descrip.	(Y14433) NADH dehydrogenase subunit 2 [Triticum aestivum]		

Seq. No.	31473	Seq. ID	OJ990619_41.9C17.C12
Gene No.	65119	Strand	+
Start	3729	End	4580
Name	OJ990619_41.9C17.C12.o3.np	Method	AAT/NAP
Start	3729	End	4580
GI	629811	Score	1426
Exons	3729..4580		
GI Descrip.	hypothetical protein 33 (coxI 5' region) - rice mitochondrion gi\|870713 (M57903) unknown protein [Oryza sativa]		

Seq. No.	31473	Seq. ID	OJ990619_41.9C17.C12
Gene No.	65120	Strand	+
Start	4782	End	5432
Name	OJ990619_41.9C17.C12.o4.np	Method	AAT/NAP
Start	4782	End	5432
GI	1169027	Score	359
Exons	4782..5006, 5395..5432		
GI Descrip.	CYTOCHROME C OXIDASE POLYPEPTIDE I gi\|66231\|pir\|\|ODZM1 cytochrome-c oxidase (EC 1.9.3.1) chain I - maize mitochondrion gi\|12889\|emb\|CAA26496\| (X02660) cytochrome c oxidase subunit I (aa 1-528) [Zea mays] gi\|224651\|prf\|\|1110159A oxidase I,cytochrome c [Zea mays]		

Seq. No.	31474	Seq. ID	OJ990619_41.9C17.C13
Gene No.	65121	Strand	+
Start	766	End	1150
Name	OJ990619_41.9C17.C13.o1.gp	Method	AAT/GAP
Start	766	End	1150
GI	uC-osf1cyp033a04b1	Score	682
Exons	766..1150		
GI Descrip.	'6016845/dbj\|AP000570.1\|AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		

Seq. No.	31474	Seq. ID	OJ990619_41.9C17.C13
Gene No.	65122	Strand	+
Start	1808	End	2118
Name	OJ990619_41.9C17.C13.o2.np	Method	AAT/NAP
Start	1808	End	2118
GI	3288534	Score	369
Exons	1808..2118		
GI Descrip.	(AJ223433) cytochrome c oxidase subunit I [Malpighia glabra]		

Seq. No.	31474	Seq. ID	OJ990619_41.9C17.C13
Gene No.	65123	Strand	-
Start	192	End	1997
Name	OJ990619_41.9C17.C13.o1.gs	Method	GENSCAN
Start	192	End	1997
GI	none	Score	.64
Exons	192..268, 668..808, 999..1052, 1916..1997		

Seq. No.	31474	Seq. ID	OJ990619_41.9C17.C13
Gene No.	65123	Strand	-
Start	192	End	1997
Name	OJ990619_41.9C17.C13.o1.np	Method	AAT/NAP
Start	695	End	917
GI	4680186	Score	224
Exons	695..917		
GI Descrip.	(AF111709) unknown [Oryza sativa subsp. indica]		

Seq. No.	31475	Seq. ID	OJ990619_41.9C17.C14
Gene No.	65124	Strand	+
Start	1	End	3463
Name	OJ990619_41.9C17.C14.o1.np	Method	AAT/NAP
Start	1	End	787
GI	1169030	Score	1383
Exons	1..787		
GI Descrip.	CYTOCHROME C OXIDASE POLYPEPTIDE I gi\|66230\|pir\|\|ODRZ1 cytochrome-c oxidase (EC 1.9.3.1) chain I - rice mitochondrion gi\|13219\|emb\|CAA34122\| (X15990) cytochrome oxidase subunit I [Oryza sativa]		

Seq. No.	31475	Seq. ID	OJ990619_41.9C17.C14
Gene No.	65124	Strand	+
Start	1	End	3463
Name	OJ990619_41.9C17.C14.o1.gs	Method	GENSCAN
Start	81	End	3463
GI	none	Score	.64
Exons	81..209, 516..724, 1381..1522, 2249..2286, 3143..3463		

Seq. No.	31475	Seq. ID	OJ990619_41.9C17.C14
Gene No.	65125	Strand	+
Start	5708	End	6178
Name	OJ990619_41.9C17.C14.o4.np	Method	AAT/NAP
Start	5708	End	6178
GI	6015578	Score	57
Exons	5708..5808, 5986..6178		
GI Descrip.	(X02451) URF 4 [Zea mays]		

Seq. No.	31475	Seq. ID	OJ990619_41.9C17.C14
Gene No.	65126	Strand	-
Start	3271	End	3547
Name	OJ990619_41.9C17.C14.o2.np	Method	AAT/NAP
Start	3271	End	3547
GI	4164413	Score	305
Exons	3271..3547		
GI Descrip.	(AJ132231) ribosomal protein S14 [Pisum sativum]		

Seq. No.	31475	Seq. ID	OJ990619_41.9C17.C14
Gene No.	65127	Strand	-

Start	3549	End	4118
Name	OJ990619_41.9C17.C14.o2.gs	Method	GENSCAN
Start	3549	End	4118
GI	none	Score	.45
Exons	3549..4118		

Seq. No.	31475	Seq. ID	OJ990619_41.9C17.C14
Gene No.	65127	Strand	-
Start	3549	End	4118
Name	OJ990619_41.9C17.C14.o3.np	Method	AAT/NAP
Start	3552	End	4115
GI	5688943	Score	978
Exons	3552..4115		
GI Descrip.	(AB017426) ribosomal protein L5 [Oryza sativa]		

Seq. No.	31475	Seq. ID	OJ990619_41.9C17.C14
Gene No.	65128	Strand	-
Start	5526	End	5645
Name	OJ990619_41.9C17.C14.o2.tm	Method	TBLASTX:Maize
Start	247	End	595
GI	none	Score	310
Exons	247..591, 248..595		

Seq. No.	31475	Seq. ID	OJ990619_41.9C17.C14
Gene No.	65128	Strand	-
Start	5526	End	5645
Name	OJ990619_41.9C17.C14.o1.tc	Method	TBLASTX:Cress
Start	3259	End	3540
GI	none	Score	156
Exons	3259..3444, 3262..3447, 3269..3454, 3472..3537, 3473..3538, 3475..3540		

Seq. No.	31475	Seq. ID	OJ990619_41.9C17.C14
Gene No.	65128	Strand	-
Start	5526	End	5645
Name	OJ990619_41.9C17.C14.o3.tm	Method	TBLASTX:Maize
Start	3573	End	3782
GI	none	Score	82
Exons	3573..3782, 3585..3779		

Seq. No.	31475	Seq. ID	OJ990619_41.9C17.C14
Gene No.	65128	Strand	-
Start	5526	End	5645
Name	OJ990619_41.9C17.C14.o1.tm	Method	TBLASTX:Maize
Start	5347	End	5639
GI	none	Score	184
Exons	5347..5448, 5353..5448, 5354..5479, 5450..5470, 5464..5637, 5464..5637, 5466..5639		

Seq. No.	31475	Seq. ID	OJ990619_41.9C17.C14
Gene No.	65128	Strand	-
Start	5526	End	5645
Name	OJ990619_41.9C17.C14.o3.gs	Method	GENSCAN
Start	5526	End	5645
GI	none	Score	.85
Exons	5526..5645		

Seq. No.	31476	Seq. ID	OJ990619_41.9C17.C15
Gene No.	65129	Strand	-
Start	33	End	786
Name	OJ990619_41.9C17.C15.o1.gs	Method	GENSCAN
Start	33	End	786
GI	none	Score	.59
Exons	33..200, 217..377, 771..786		

Seq. No.	31477	Seq. ID	OJ990619_41.9C17.C16
Gene No.	65130	Strand	+
Start	1935	End	6497
Name	OJ990619_41.9C17.C16.o1.np	Method	AAT/NAP
Start	1935	End	6497
GI	4680179	Score	7802
Exons	1935..6497		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	31477	Seq. ID	OJ990619_41.9C17.C16
Gene No.	65130	Strand	+
Start	1935	End	6497
Name	OJ990619_41.9C17.C16.o7.tw	Method	TBLASTX:Wheat
Start	2202	End	2561
GI	none	Score	308
Exons	2202..2561, 2228..2302, 2232..2558, 2327..2560		

Seq. No.	31477	Seq. ID	OJ990619_41.9C17.C16
Gene No.	65130	Strand	+
Start	1935	End	6497
Name	OJ990619_41.9C17.C16.o6.tm	Method	TBLASTX:Maize
Start	2442	End	2774
GI	none	Score	212
Exons	2442..2774, 2442..2696, 2459..2629		

Seq. No.	31477	Seq. ID	OJ990619_41.9C17.C16
Gene No.	65130	Strand	+
Start	1935	End	6497
Name	OJ990619_41.9C17.C16.o8.tw	Method	TBLASTX:Wheat
Start	3081	End	3497
GI	none	Score	156
Exons	3081..3275, 3131..3229, 3315..3497, 3341..3496		

Seq. No.	31477	Seq. ID	OJ990619_41.9C17.C16
Gene No.	65130	Strand	+
Start	1935	End	6497
Name	OJ990619_41.9C17.C16.o4.tw	Method	TBLASTX:Wheat
Start	3660	End	4142
GI	none	Score	543
Exons	3660..4142, 3764..4099, 3771..4133		

Seq. No.	31477	Seq. ID	OJ990619_41.9C17.C16
Gene No.	65130	Strand	+
Start	1935	End	6497
Name	OJ990619_41.9C17.C16.o5.tm	Method	TBLASTX:Maize
Start	3672	End	3961
GI	none	Score	322
Exons	3672..3959, 3703..3930, 3770..3961		

Seq. No.	31477	Seq. ID	OJ990619_41.9C17.C16
Gene No.	65130	Strand	+
Start	1935	End	6497
Name	OJ990619_41.9C17.C16.o4.ts	Method	TBLASTX:Soybean
Start	3696	End	4010
GI	none	Score	183
Exons	3696..4010, 3812..4009		

Seq. No.	31477	Seq. ID	OJ990619_41.9C17.C16
Gene No.	65130	Strand	+
Start	1935	End	6497
Name	OJ990619_41.9C17.C16.o3.tm	Method	TBLASTX:Maize
Start	4029	End	4529
GI	none	Score	154
Exons	4029..4208, 4194..4529, 4280..4411, 4436..4486		

Seq. No.	31477	Seq. ID	OJ990619_41.9C17.C16
Gene No.	65130	Strand	+
Start	1935	End	6497
Name	OJ990619_41.9C17.C16.o1.ts	Method	TBLASTX:Soybean
Start	4083	End	4478
GI	none	Score	57
Exons	4083..4115, 4083..4127, 4119..4478, 4119..4199, 4223..4477		

Seq. No.	31477	Seq. ID	OJ990619_41.9C17.C16
Gene No.	65130	Strand	+
Start	1935	End	6497
Name	OJ990619_41.9C17.C16.o5.tw	Method	TBLASTX:Wheat
Start	4191	End	4493
GI	none	Score	400
Exons	4191..4493, 4192..4293, 4223..4492		

Seq. No.	31477	Seq. ID	OJ990619_41.9C17.C16
Gene No.	65130	Strand	+
Start	1935	End	6497
Name	OJ990619_41.9C17.C16.o2.tw	Method	TBLASTX:Wheat
Start	4494	End	5003
GI	none	Score	629
Exons	4494..5003, 4526..4837, 4572..4919		

Seq. No.	31477	Seq. ID	OJ990619_41.9C17.C16
Gene No.	65130	Strand	+
Start	1935	End	6497
Name	OJ990619_41.9C17.C16.o3.ts	Method	TBLASTX:Soybean
Start	4500	End	4745
GI	none	Score	202
Exons	4500..4745		

Seq. No.	31477	Seq. ID	OJ990619_41.9C17.C16
Gene No.	65130	Strand	+
Start	1935	End	6497
Name	OJ990619_41.9C17.C16.o2.tm	Method	TBLASTX:Maize
Start	4566	End	4931
GI	none	Score	488
Exons	4566..4919, 4568..4634, 4586..4924, 4620..4931		

Seq. No.	31477	Seq. ID	OJ990619_41.9C17.C16

Gene No.	65130	Strand	+
Start	1935	End	6497
Name	OJ990619_41.9C17.C16.o3.tw	Method	TBLASTX:Wheat
Start	5007	End	5486
GI	none	Score	577
Exons	5007..5486, 5040..5480, 5231..5485		

Seq. No.	31477	Seq. ID	OJ990619_41.9C17.C16
Gene No.	65130	Strand	+
Start	1935	End	6497
Name	OJ990619_41.9C17.C16.o2.ts	Method	TBLASTX:Soybean
Start	5274	End	5534
GI	none	Score	286
Exons	5274..5534, 5279..5533		

Seq. No.	31477	Seq. ID	OJ990619_41.9C17.C16
Gene No.	65130	Strand	+
Start	1935	End	6497
Name	OJ990619_41.9C17.C16.o4.tm	Method	TBLASTX:Maize
Start	5333	End	5624
GI	none	Score	377
Exons	5333..5620, 5334..5624		

Seq. No.	31477	Seq. ID	OJ990619_41.9C17.C16
Gene No.	65130	Strand	+
Start	1935	End	6497
Name	OJ990619_41.9C17.C16.o1.tw	Method	TBLASTX:Wheat
Start	5493	End	6119
GI	none	Score	735
Exons	5493..6119, 5495..6118		

Seq. No.	31477	Seq. ID	OJ990619_41.9C17.C16
Gene No.	65130	Strand	+
Start	1935	End	6497
Name	OJ990619_41.9C17.C16.o1.tm	Method	TBLASTX:Maize
Start	5673	End	6272
GI	none	Score	223
Exons	5673..5834, 5676..5825, 5681..5827, 5832..6272, 5834..6259		

Seq. No.	31477	Seq. ID	OJ990619_41.9C17.C16
Gene No.	65130	Strand	+
Start	1935	End	6497
Name	OJ990619_41.9C17.C16.o6.tw	Method	TBLASTX:Wheat
Start	6119	End	6487
GI	none	Score	368
Exons	6119..6172, 6120..6440, 6147..6227, 6151..6252, 6212..6328, 6270..6431, 6434..6487		

Seq. No.	31477	Seq. ID	OJ990619_41.9C17.C16
Gene No.	65130	Strand	+
Start	1935	End	6497
Name	OJ990619_41.9C17.C16.o7.tm	Method	TBLASTX:Maize
Start	6276	End	6473
GI	none	Score	187
Exons	6276..6473		

Seq. No.	31478	Seq. ID	OJ990619_41.9C17.C17

Gene No.	65131	Strand	+
Start	9152	End	10678
Name	OJ990619_41.9C17.C17.o1.np	Method	AAT/NAP
Start	9152	End	10678
GI	114409	Score	2520
Exons	9152..10678		
GI Descrip.	ATP SYNTHASE ALPHA CHAIN, MITOCHONDRIAL gi\|67822\|pir\|\|PWRZAM H+-transporting ATP synthase (EC 3.6.1.34) alpha chain - rice mitochondrion gi\|13959\|emb\|CAA35787\| (X51422) F-1-ATPase alpha subunit (AA 1-509) [Oryza sativa]		

Seq. No.	31478	Seq. ID	OJ990619_41.9C17.C17
Gene No.	65132	Strand	-
Start	7734	End	15557
Name	OJ990619_41.9C17.C17.o2.np	Method	AAT/NAP
Start	7734	End	14055
GI	133443	Score	232
Exons	7734..7798, 11713..12164, 14019..14055		
GI Descrip.	DNA-DIRECTED RNA POLYMERASE BETA" CHAIN gi\|66987\|pir\|\|RNZMB2 DNA-directed RNA polymerase (EC 2.7.7.6) beta'-2 chain - maize chloroplast gi\|12482\|emb\|CAA35197\| (X17318) RNA polymerase beta-2 subunit (AA 1-1527) [Zea mays] gi\|902214\|emb\|CAA60278\| (X86563) RNA polymerase beta' subunit-2 [Zea mays]		

Seq. No.	31478	Seq. ID	OJ990619_41.9C17.C17
Gene No.	65132	Strand	-
Start	7734	End	15557
Name	OJ990619_41.9C17.C17.o1.tm	Method	TBLASTX:Maize
Start	9164	End	9489
GI	none	Score	348
Exons	9164..9487, 9212..9487, 9235..9489		

Seq. No.	31478	Seq. ID	OJ990619_41.9C17.C17
Gene No.	65132	Strand	-
Start	7734	End	15557
Name	OJ990619_41.9C17.C17.o1.tc	Method	TBLASTX:Cress
Start	9167	End	9631
GI	none	Score	411
Exons	9167..9631, 9238..9630		

Seq. No.	31478	Seq. ID	OJ990619_41.9C17.C17
Gene No.	65132	Strand	-
Start	7734	End	15557
Name	OJ990619_41.9C17.C17.o1.ts	Method	TBLASTX:Soybean
Start	9167	End	10057
GI	none	Score	552
Exons	9167..9727, 9215..9508, 9238..9705, 9530..9718, 9743..10057, 9763..9990		

Seq. No.	31478	Seq. ID	OJ990619_41.9C17.C17
Gene No.	65132	Strand	-
Start	7734	End	15557
Name	OJ990619_41.9C17.C17.o2.tw	Method	TBLASTX:Wheat
Start	9409	End	9712
GI	none	Score	185
Exons	9409..9630, 9410..9712		

Seq. No.	31478	Seq. ID	OJ990619_41.9C17.C17
Gene No.	65132	Strand	-
Start	7734	End	15557
Name	OJ990619_41.9C17.C17.o2.tc	Method	TBLASTX:Cress
Start	10015	End	10307
GI	none	Score	395
Exons	10015..10299, 10016..10300, 10020..10307		

Seq. No.	31478	Seq. ID	OJ990619_41.9C17.C17
Gene No.	65132	Strand	-
Start	7734	End	15557
Name	OJ990619_41.9C17.C17.o2.ts	Method	TBLASTX:Soybean
Start	10205	End	10579
GI	none	Score	322
Exons	10205..10579, 10207..10521		

Seq. No.	31478	Seq. ID	OJ990619_41.9C17.C17
Gene No.	65132	Strand	-
Start	7734	End	15557
Name	OJ990619_41.9C17.C17.o2.tm	Method	TBLASTX:Maize
Start	10207	End	10384
GI	none	Score	246
Exons	10207..10383, 10208..10384		

Seq. No.	31478	Seq. ID	OJ990619_41.9C17.C17
Gene No.	65132	Strand	-
Start	7734	End	15557
Name	OJ990619_41.9C17.C17.o1.tw	Method	TBLASTX:Wheat
Start	10271	End	10633
GI	none	Score	97
Exons	10271..10354, 10272..10355, 10294..10380, 10298..10390, 10301..10414, 10356..10415, 10356..10415, 10357..10416, 10415..10477, 10416..10478, 10417..10479, 10417..10479, 10473..10544, 10478..10558, 10478..10555, 10535..10615, 10536..10610, 10586..10633, 10591..10632		

Seq. No.	31478	Seq. ID	OJ990619_41.9C17.C17
Gene No.	65132	Strand	-
Start	7734	End	15557
Name	OJ990619_41.9C17.C17.o3.tc	Method	TBLASTX:Cress
Start	10309	End	10552
GI	none	Score	196
Exons	10309..10521, 10310..10552		

Seq. No.	31478	Seq. ID	OJ990619_41.9C17.C17
Gene No.	65132	Strand	-
Start	7734	End	15557
Name	OJ990619_41.9C17.C17.o4.tc	Method	TBLASTX:Cress
Start	11807	End	12163
GI	none	Score	51
Exons	11807..11878, 11810..11884, 11891..11962, 11894..11980, 11995..12030, 12029..12163, 12031..12156		

Seq. No.	31478	Seq. ID	OJ990619_41.9C17.C17
Gene No.	65132	Strand	-
Start	7734	End	15557
Name	OJ990619_41.9C17.C17.o2.gs	Method	GENSCAN

Start	12179	End	15557
GI	none	Score	.69
Exons	12179..12370, 12887..12960, 14203..14287, 15546..15557		

Seq. No.	31479	Seq. ID	OJ990619_41.9C17.C18
Gene No.	65133	Strand	+
Start	393	End	560
Name	OJ990619_41.9C17.C18.o1.gs	Method	GENSCAN
Start	393	End	560
GI	none	Score	.94
Exons	393..560		

Seq. No.	31479	Seq. ID	OJ990619_41.9C17.C18
Gene No.	65134	Strand	-
Start	2115	End	5814
Name	OJ990619_41.9C17.C18.o2.gs	Method	GENSCAN
Start	2115	End	5814
GI	none	Score	.59
Exons	2115..2837, 5743..5814		

Seq. No.	31479	Seq. ID	OJ990619_41.9C17.C18
Gene No.	65134	Strand	-
Start	2115	End	5814
Name	OJ990619_41.9C17.C18.o1.tm	Method	TBLASTX:Maize
Start	2238	End	2846
GI	none	Score	368
Exons	2238..2840, 2259..2846, 2260..2841		

Seq. No.	31479	Seq. ID	OJ990619_41.9C17.C18
Gene No.	65134	Strand	-
Start	2115	End	5814
Name	OJ990619_41.9C17.C18.o1.np	Method	AAT/NAP
Start	2241	End	4740
GI	1237250	Score	658
Exons	2241..2845, 4701..4740		
GI Descrip.	(X96784) cytochrome P450 [Nicotiana tabacum]		

Seq. No.	31479	Seq. ID	OJ990619_41.9C17.C18
Gene No.	65134	Strand	-
Start	2115	End	5814
Name	OJ990619_41.9C17.C18.o2.tw	Method	TBLASTX:Wheat
Start	2248	End	2511
GI	none	Score	142
Exons	2248..2511, 2265..2504		

Seq. No.	31479	Seq. ID	OJ990619_41.9C17.C18
Gene No.	65134	Strand	-
Start	2115	End	5814
Name	OJ990619_41.9C17.C18.o1.ts	Method	TBLASTX:Soybean
Start	2259	End	2847
GI	none	Score	425
Exons	2259..2840, 2260..2847		

Seq. No.	31479	Seq. ID	OJ990619_41.9C17.C18
Gene No.	65134	Strand	-
Start	2115	End	5814
Name	OJ990619_41.9C17.C18.o1.tc	Method	TBLASTX:Cress

Start	2319	End	2846
GI	none	Score	233
Exons	2319..2846, 2401..2823		

Seq. No.	31479	Seq. ID	OJ990619_41.9C17.C18
Gene No.	65134	Strand	-
Start	2115	End	5814
Name	OJ990619_41.9C17.C18.o1.tw	Method	TBLASTX:Wheat
Start	2538	End	2852
GI	none	Score	168
Exons	2538..2852, 2539..2847		

Seq. No.	31480	Seq. ID	OJ990619_41.9C17.C20
Gene No.	65135	Strand	+
Start	467	End	1108
Name	OJ990619_41.9C17.C20.o1.gs	Method	GENSCAN
Start	467	End	1088
GI	none	Score	1
Exons	467..526, 694..1088		

Seq. No.	31480	Seq. ID	OJ990619_41.9C17.C20
Gene No.	65135	Strand	+
Start	467	End	1108
Name	OJ990619_41.9C17.C20.o1.np	Method	AAT/NAP
Start	467	End	1108
GI	2498930	Score	741
Exons	467..526, 694..1108		
GI Descrip.	DORSAL-VENTRAL PATTERNING PROTEIN SOG (SHORT GASTRULATION PROTEIN) gi\|1203794 (U18774) Sog [Drosophila melanogaster]		

Seq. No.	31481	Seq. ID	OJ990619_41.9C17.C21
Gene No.	65136	Strand	+
Start	1	End	1883
Name	OJ990619_41.9C17.C21.o1.np	Method	AAT/NAP
Start	1	End	1883
GI	6862956	Score	683
Exons	1..433, 524..1883		
GI Descrip.	(AC019018) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	31481	Seq. ID	OJ990619_41.9C17.C21
Gene No.	65136	Strand	+
Start	1	End	1883
Name	OJ990619_41.9C17.C21.o1.gs	Method	GENSCAN
Start	278	End	1333
GI	none	Score	.71
Exons	278..413, 513..729, 852..992, 1171..1333		

Seq. No.	31481	Seq. ID	OJ990619_41.9C17.C21
Gene No.	65137	Strand	+
Start	15768	End	15853
Name	OJ990619_41.9C17.C21.o4.gs	Method	GENSCAN
Start	15768	End	15853
GI	none	Score	.79
Exons	15768..15853		

Seq. No.	31481	Seq. ID	OJ990619_41.9C17.C21
Gene No.	65138	Strand	-

Start	116	End	8407
Name	OJ990619_41.9C17.C21.o2.np	Method	AAT/NAP
Start	116	End	3872
GI	5042463	Score	126
Exons	116..153, 1872..1946, 2655..3001, 3654..3872		
GI Descrip.	(AC007789) unknown protein [Oryza sativa]		

Seq. No.	31481	Seq. ID	OJ990619_41.9C17.C21
Gene No.	65138	Strand	-
Start	116	End	8407
Name	OJ990619_41.9C17.C21.o2.gs	Method	GENSCAN
Start	1438	End	8407
GI	none	Score	.82
Exons	1438..1558, 1773..1954, 2807..2892, 3138..3333, 4177..4266, 7514..7627, 7791..7823, 7893..8183, 8345..8407		

Seq. No.	31481	Seq. ID	OJ990619_41.9C17.C21
Gene No.	65139	Strand	-
Start	11468	End	14112
Name	OJ990619_41.9C17.C21.o3.tm	Method	TBLASTX:Maize
Start	31	End	430
GI	none	Score	381
Exons	31..414, 32..430, 141..422		

Seq. No.	31481	Seq. ID	OJ990619_41.9C17.C21
Gene No.	65139	Strand	-
Start	11468	End	14112
Name	OJ990619_41.9C17.C21.o6.tm	Method	TBLASTX:Maize
Start	1071	End	1264
GI	none	Score	86
Exons	1071..1262, 1072..1260, 1079..1264		

Seq. No.	31481	Seq. ID	OJ990619_41.9C17.C21
Gene No.	65139	Strand	-
Start	11468	End	14112
Name	OJ990619_41.9C17.C21.o4.tw	Method	TBLASTX:Wheat
Start	1309	End	1573
GI	none	Score	48
Exons	1309..1365, 1368..1541, 1369..1542, 1541..1573, 1546..1572		

Seq. No.	31481	Seq. ID	OJ990619_41.9C17.C21
Gene No.	65139	Strand	-
Start	11468	End	14112
Name	OJ990619_41.9C17.C21.o4.tm	Method	TBLASTX:Maize
Start	1431	End	1767
GI	none	Score	136
Exons	1431..1541, 1432..1542, 1541..1660, 1656..1766, 1657..1767, 1675..1767		

Seq. No.	31481	Seq. ID	OJ990619_41.9C17.C21
Gene No.	65139	Strand	-
Start	11468	End	14112
Name	OJ990619_41.9C17.C21.o7.tm	Method	TBLASTX:Maize
Start	10801	End	11025
GI	none	Score	78
Exons	10801..11025, 10816..11022		

Seq. No.	31481	Seq. ID	OJ990619_41.9C17.C21
Gene No.	65139	Strand	-
Start	11468	End	14112
Name	OJ990619_41.9C17.C21.o5.tw	Method	TBLASTX:Wheat
Start	10822	End	11040
GI	none	Score	80
Exons	10822..11040, 10844..11038		

Seq. No.	31481	Seq. ID	OJ990619_41.9C17.C21
Gene No.	65139	Strand	-
Start	11468	End	14112
Name	OJ990619_41.9C17.C21.o1.tm	Method	TBLASTX:Maize
Start	11441	End	13344
GI	none	Score	86
Exons	11441..11572, 11480..12109, 11484..12104, 13207..13344		

Seq. No.	31481	Seq. ID	OJ990619_41.9C17.C21
Gene No.	65139	Strand	-
Start	11468	End	14112
Name	OJ990619_41.9C17.C21.o3.gs	Method	GENSCAN
Start	11468	End	14112
GI	none	Score	.54
Exons	11468..12128, 13184..14112		

Seq. No.	31481	Seq. ID	OJ990619_41.9C17.C21
Gene No.	65139	Strand	-
Start	11468	End	14112
Name	OJ990619_41.9C17.C21.o1.ts	Method	TBLASTX:Soybean
Start	11477	End	14070
GI	none	Score	474
Exons	11477..12103, 11481..12110, 13216..13284, 13226..13282, 13300..13497, 13324..13449, 13355..13498, 13519..13614, 13523..13594, 13618..14016, 13712..14014, 13894..14067, 14023..14070		

Seq. No.	31481	Seq. ID	OJ990619_41.9C17.C21
Gene No.	65139	Strand	-
Start	11468	End	14112
Name	OJ990619_41.9C17.C21.o1.tc	Method	TBLASTX:Cress
Start	11498	End	14011
GI	none	Score	261
Exons	11498..11572, 11582..12109, 11583..12110, 13747..14010, 13748..14011		

Seq. No.	31481	Seq. ID	OJ990619_41.9C17.C21
Gene No.	65139	Strand	-
Start	11468	End	14112
Name	OJ990619_41.9C17.C21.o3.np	Method	AAT/NAP
Start	11507	End	14112
GI	1237250	Score	1526
Exons	11507..12100, 13185..14112		
GI Descrip.	(X96784) cytochrome P450 [Nicotiana tabacum]		

Seq. No.	31481	Seq. ID	OJ990619_41.9C17.C21
Gene No.	65139	Strand	-
Start	11468	End	14112
Name	OJ990619_41.9C17.C21.o3.tw	Method	TBLASTX:Wheat

Start	11520	End	11774
GI	none	Score	139
Exons	11520..11774, 11528..11767		

Seq. No.	31481	Seq. ID	OJ990619_41.9C17.C21
Gene No.	65139	Strand	-
Start	11468	End	14112
Name	OJ990619_41.9C17.C21.o1.tw	Method	TBLASTX:Wheat
Start	11801	End	12134
GI	none	Score	168
Exons	11801..12133, 11802..12134		

Seq. No.	31481	Seq. ID	OJ990619_41.9C17.C21
Gene No.	65139	Strand	-
Start	11468	End	14112
Name	OJ990619_41.9C17.C21.o5.tm	Method	TBLASTX:Maize
Start	13351	End	13642
GI	none	Score	141
Exons	13351..13497, 13355..13498, 13480..13641, 13490..13642		

Seq. No.	31481	Seq. ID	OJ990619_41.9C17.C21
Gene No.	65139	Strand	-
Start	11468	End	14112
Name	OJ990619_41.9C17.C21.o2.tm	Method	TBLASTX:Maize
Start	13645	End	14031
GI	none	Score	100
Exons	13645..13728, 13645..14016, 13712..14014, 13894..14031		

Seq. No.	31481	Seq. ID	OJ990619_41.9C17.C21
Gene No.	65139	Strand	-
Start	11468	End	14112
Name	OJ990619_41.9C17.C21.o2.tw	Method	TBLASTX:Wheat
Start	13693	End	14013
GI	none	Score	152
Exons	13693..14013, 13805..14011		

Seq. No.	31482	Seq. ID	OJ990619_41.9C17.C22
Gene No.	65140	Strand	-
Start	311	End	378
Name	OJ990619_41.9C17.C22.o1.gs	Method	GENSCAN
Start	311	End	378
GI	none	Score	.54
Exons	311..378		

Seq. No.	31483	Seq. ID	OJ990619_41.9C17.C23
Gene No.	65141	Strand	-
Start	334	End	439
Name	OJ990619_41.9C17.C23.o1.gs	Method	GENSCAN
Start	334	End	439
GI	none	Score	.5
Exons	334..439		

Seq. No.	31484	Seq. ID	OJ990619_41.9C17.C28
Gene No.	65142	Strand	-
Start	324	End	408
Name	OJ990619_41.9C17.C28.o1.gs	Method	GENSCAN
Start	324	End	408

GI	none	Score	.69
Exons	324..408		

Seq. No.	31485	Seq. ID	OJ990619_40.9C03.C3
Gene No.	65143	Strand	+
Start	1	End	3161
Name	OJ990619_40.9C03.C3.o1.np	Method	AAT/NAP
Start	1	End	3158
GI	1346485	Score	2045
Exons	1..107, 275..470, 808..959, 1066..1171, 1298..1363, 1460..1555, 1668..1739, 1845..1928, 2047..2193, 2303..2545, 2636..2713, 2778..3158		
GI Descrip.	NADP-DEPENDENT MALIC ENZYME (NADP-ME) gi\|20469\|emb\|CAA39690\| (X56233) malic enzyme [Populus balsamifera subsp. trichocarpa]		

Seq. No.	31485	Seq. ID	OJ990619_40.9C03.C3
Gene No.	65143	Strand	+
Start	1	End	3161
Name	OJ990619_40.9C03.C3.o1.gp	Method	AAT/GAP
Start	272	End	1539
GI	33542_1.R1084	Score	1072
Exons	272..470, 808..959, 1066..1171, 1298..1363, 1460..1539		
GI Descrip.	'2695941/emb\|CAA10989\| 2.0e-20 (AJ222784) ribosomal like-protein [Hordeum vulgare]'		

Seq. No.	31485	Seq. ID	OJ990619_40.9C03.C3
Gene No.	65143	Strand	+
Start	1	End	3161
Name	OJ990619_40.9C03.C3.o1.gs	Method	GENSCAN
Start	275	End	3161
GI	none	Score	.94
Exons	275..470, 808..959, 1066..1171, 1298..1363, 1460..1555, 1668..1739, 1845..1928, 2047..2193, 2303..2545, 2636..2713, 2778..3161		

Seq. No.	31485	Seq. ID	OJ990619_40.9C03.C3
Gene No.	65143	Strand	+
Start	1	End	3161
Name	OJ990619_40.9C03.C3.o2.gp	Method	AAT/GAP
Start	1831	End	2854
GI	64785_1.R1084	Score	1106
Exons	1831..1928, 2047..2193, 2303..2545, 2636..2713, 2778..2854		
GI Descrip.	'1170871/sp\|P43279\|MAOC_ORYSA 2.0e-82 MALATE OXIDOREDUCTASE, CHLOROPLAST PRECURSOR (MALIC ENZYME) (ME) (NADP-DEPENDENT MALIC ENZYME) (NADP-ME) >gi_1076749_pir__S46499 NADP-dependent malic enzyme - rice >gi_415315_dbj_BAA03949_ (D16499) NADP-dependent malic enzyme [Oryza sativa]'		

Seq. No.	31485	Seq. ID	OJ990619_40.9C03.C3
Gene No.	65144	Strand	-
Start	3057	End	3486
Name	OJ990619_40.9C03.C3.o2.ts	Method	TBLASTX:Soybean
Start	272	End	855
GI	none	Score	276
Exons	272..322, 273..467, 365..466, 802..855, 805..855		

Seq. No.	31485	Seq. ID	OJ990619_40.9C03.C3

Gene No.	65144	Strand	-
Start	3057	End	3486
Name	OJ990619_40.9C03.C3.o1.tw	Method	TBLASTX:Wheat
Start	273	End	951
GI	none	Score	280
Exons	273..467, 279..377, 365..466, 802..837, 805..951, 864..950		

Seq. No.	31485	Seq. ID	OJ990619_40.9C03.C3
Gene No.	65144	Strand	-
Start	3057	End	3486
Name	OJ990619_40.9C03.C3.o2.tc	Method	TBLASTX:Cress
Start	273	End	2199
GI	none	Score	279
Exons	273..467, 365..466, 383..472, 802..837, 805..960, 864..956, 892..963, 1060..1128, 1064..1171, 1070..1177, 1291..1362, 1292..1363, 1297..1362, 1456..1524, 1460..1555, 1463..1558, 1665..1739, 1665..1739, 1835..1951, 1842..1958, 1842..1928, 1843..1968, 2010..2129, 2012..2173, 2020..2193, 2020..2199		

Seq. No.	31485	Seq. ID	OJ990619_40.9C03.C3
Gene No.	65144	Strand	-
Start	3057	End	3486
Name	OJ990619_40.9C03.C3.o2.tm	Method	TBLASTX:Maize
Start	306	End	1141
GI	none	Score	148
Exons	306..467, 368..472, 380..472, 802..837, 805..960, 864..956, 1060..1140, 1064..1141		

Seq. No.	31485	Seq. ID	OJ990619_40.9C03.C3
Gene No.	65144	Strand	-
Start	3057	End	3486
Name	OJ990619_40.9C03.C3.o1.ts	Method	TBLASTX:Soybean
Start	856	End	3161
GI	none	Score	164
Exons	856..960, 864..956, 1060..1128, 1064..1171, 1282..1362, 1292..1363, 1409..1555, 1459..1551, 1665..1739, 1665..1739, 1836..1928, 1842..1928, 1921..1950, 2004..2192, 2020..2193, 2020..2193, 2302..2544, 2303..2545, 2629..2697, 2633..2719, 2787..2876, 2792..2875, 2865..3161, 2870..3145		

Seq. No.	31485	Seq. ID	OJ990619_40.9C03.C3
Gene No.	65144	Strand	-
Start	3057	End	3486
Name	OJ990619_40.9C03.C3.o1.tm	Method	TBLASTX:Maize
Start	1142	End	3161
GI	none	Score	54
Exons	1142..1171, 1292..1363, 1296..1364, 1297..1362, 1456..1563, 1460..1594, 1460..1555, 1665..1739, 1665..1742, 1842..1958, 1842..1928, 1843..1956, 2020..2190, 2020..2184, 2303..2545, 2311..2532, 2624..2719, 2635..2727, 2635..2712, 2765..3157, 2769..3161		

Seq. No.	31485	Seq. ID	OJ990619_40.9C03.C3
Gene No.	65144	Strand	-
Start	3057	End	3486
Name	OJ990619_40.9C03.C3.o2.tw	Method	TBLASTX:Wheat
Start	1469	End	2142

GI	none	Score	123
Exons	1469..1555, 1469..1555, 1665..1739, 1665..1742, 1842..1958, 1842..1928, 1843..1935, 2016..2129, 2020..2142, 2020..2142		

Seq. No.	31485	Seq. ID	OJ990619_40.9C03.C3
Gene No.	65144	Strand	-
Start	3057	End	3486
Name	OJ990619_40.9C03.C3.o1.tc	Method	TBLASTX:Cress
Start	2330	End	3161
GI	none	Score	302
Exons	2330..2545, 2332..2544, 2629..2709, 2633..2719, 2775..3161, 2777..3157		

Seq. No.	31485	Seq. ID	OJ990619_40.9C03.C3
Gene No.	65144	Strand	-
Start	3057	End	3486
Name	OJ990619_40.9C03.C3.o3.gp	Method	AAT/GAP
Start	3057	End	3486
GI	39147_1.R1084	Score	848
Exons	3057..3486		
GI Descrip.	'2911148/dbj\|BAA24950\| 1.0e-10 (AB005808) NADP-malic enzyme [Aloe arborescens]'		

Seq. No.	31486	Seq. ID	OJ990619_40.9C03.C5
Gene No.	65145	Strand	+
Start	779	End	12900
Name	OJ990619_40.9C03.C5.o1.gs	Method	GENSCAN
Start	779	End	12663
GI	none	Score	.75
Exons	779..1016, 1833..1982, 2186..2310, 2887..3005, 4701..4752, 6306..6387, 7111..7196, 10146..10276, 10703..10774, 10873..10945, 10999..11085, 11833..12141, 12289..12424, 12545..12663		

Seq. No.	31486	Seq. ID	OJ990619_40.9C03.C5
Gene No.	65145	Strand	+
Start	779	End	12900
Name	OJ990619_40.9C03.C5.o2.np	Method	AAT/NAP
Start	10119	End	10954
GI	2062168	Score	277
Exons	10119..10276, 10391..10459, 10703..10774, 10873..10954		
GI Descrip.	(AC001645) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	31486	Seq. ID	OJ990619_40.9C03.C5
Gene No.	65145	Strand	+
Start	779	End	12900
Name	OJ990619_40.9C03.C5.o1.gp	Method	AAT/GAP
Start	11924	End	12900
GI	5421_1.R1084	Score	1180
Exons	11924..12141, 12360..12424, 12545..12900		
GI Descrip.	'3688173/emb\|CAA21201\| 2.0e-13 (AL031804) putative protein [Arabidopsis thaliana]'		

Seq. No.	31486	Seq. ID	OJ990619_40.9C03.C5
Gene No.	65146	Strand	+
Start	14615	End	15300
Name	OJ990619_40.9C03.C5.o2.gs	Method	GENSCAN

Start	14615	End	15300
GI	none	Score	.7
Exons	14615..14666, 15179..15300		

Seq. No.	31486	Seq. ID	OJ990619_40.9C03.C5
Gene No.	65147	Strand	-
Start	739	End	1278
Name	OJ990619_40.9C03.C5.o1.np	Method	AAT/NAP
Start	739	End	1278
GI	6069646	Score	233
Exons	739..1278		
GI Descrip.	(AP000616) similar to putative reverse transcriptase (AC005315) [Oryza sativa] gi\|6907112\|dbj\|BAA90639.1\| (AP001129) Similar to Arabidopsis thaliana chromosome II BAC F9O13 genomic sequence, putative non-LTR retroelement reverse transcriptase. (AC006248) [Oryza sativa]		

Seq. No.	31486	Seq. ID	OJ990619_40.9C03.C5
Gene No.	65148	Strand	-
Start	15287	End	15516
Name	OJ990619_40.9C03.C5.o1.tm	Method	TBLASTX:Maize
Start	773	End	1211
GI	none	Score	80
Exons	773..955, 983..1210, 998..1210, 1014..1211		

Seq. No.	31486	Seq. ID	OJ990619_40.9C03.C5
Gene No.	65148	Strand	-
Start	15287	End	15516
Name	OJ990619_40.9C03.C5.o1.tw	Method	TBLASTX:Wheat
Start	782	End	1147
GI	none	Score	200
Exons	782..1147		

Seq. No.	31486	Seq. ID	OJ990619_40.9C03.C5
Gene No.	65148	Strand	-
Start	15287	End	15516
Name	OJ990619_40.9C03.C5.o3.tm	Method	TBLASTX:Maize
Start	9094	End	10459
GI	none	Score	73
Exons	9094..9153, 10134..10277, 10144..10236, 10217..10276, 10388..10459, 10392..10457		

Seq. No.	31486	Seq. ID	OJ990619_40.9C03.C5
Gene No.	65148	Strand	-
Start	15287	End	15516
Name	OJ990619_40.9C03.C5.o2.tm	Method	TBLASTX:Maize
Start	12359	End	12748
GI	none	Score	91
Exons	12359..12451, 12361..12444, 12544..12696, 12545..12748		

Seq. No.	31486	Seq. ID	OJ990619_40.9C03.C5
Gene No.	65148	Strand	-
Start	15287	End	15516
Name	OJ990619_40.9C03.C5.o2.gp	Method	AAT/GAP
Start	15287	End	15516
GI	LIB3431-009-P1-N1-D10	Score	445
Exons	15287..15516		

GI Descrip.	'310316/gb\|L19598\|RICRTUB1X 7.0e-11 Rice beta-tubulin (RTUB-1) mRNA, complete cds'		
Seq. No.	31487	Seq. ID	OJ990619_40.9C03.C6
Gene No.	65149	Strand	+
Start	62	End	144
Name	OJ990619_40.9C03.C6.o1.gs	Method	GENSCAN
Start	62	End	144
GI	none	Score	.57
Exons	62..144		
Seq. No.	31487	Seq. ID	OJ990619_40.9C03.C6
Gene No.	65150	Strand	-
Start	382	End	2898
Name	OJ990619_40.9C03.C6.o1.np	Method	AAT/NAP
Start	382	End	2898
GI	4493973	Score	161
Exons	382..603, 2822..2898		
GI Descrip.	(AL034559) predicted using hexExon; MAL3P7.14 (PFC0925w), Hypothetical protein, len: 489 aa [Plasmodium falciparum]		
Seq. No.	31487	Seq. ID	OJ990619_40.9C03.C6
Gene No.	65151	Strand	-
Start	3369	End	7551
Name	OJ990619_40.9C03.C6.o2.np	Method	AAT/NAP
Start	2719	End	6080
GI	4220455	Score	598
Exons	2719..2756, 3398..3693, 3766..4198, 4425..5175, 5883..6080		
GI Descrip.	(AC006216) Identical to gene gb\|D88746 AR791 from Arabidopsis thaliana. [Arabidopsis thaliana]		
Seq. No.	31487	Seq. ID	OJ990619_40.9C03.C6
Gene No.	65151	Strand	-
Start	3369	End	7551
Name	OJ990619_40.9C03.C6.o1.gp	Method	AAT/GAP
Start	3093	End	3498
GI	none	Score	792
Exons	3093..3498		
Seq. No.	31487	Seq. ID	OJ990619_40.9C03.C6
Gene No.	65151	Strand	-
Start	3369	End	7551
Name	OJ990619_40.9C03.C6.o1.tm	Method	TBLASTX:Maize
Start	3183	End	4610
GI	none	Score	36
Exons	3183..3203, 3255..3278, 3284..3325, 3304..3336, 3378..3440, 3382..3450, 3461..3601, 3502..3606, 3603..3833, 3603..3785, 3655..3903, 3655..3828, 3811..4125, 3840..3899, 3882..4214, 3894..4211, 4434..4610, 4435..4551		
Seq. No.	31487	Seq. ID	OJ990619_40.9C03.C6
Gene No.	65151	Strand	-
Start	3369	End	7551
Name	OJ990619_40.9C03.C6.o2.gs	Method	GENSCAN
Start	3369	End	7551
GI	none	Score	.77
Exons	3369..4208, 4438..5223, 5582..5640, 5936..6033, 6906..7092,		

7317..7551

Seq. No.	31487	Seq. ID	OJ990619_40.9C03.C6
Gene No.	65151	Strand	-
Start	3369	End	7551
Name	OJ990619_40.9C03.C6.o1.tc	Method	TBLASTX:Cress
Start	3769	End	5115
GI	none	Score	130
Exons	3769..3849, 3951..4196, 3958..4119, 4482..4562, 4621..5031, 5074..5115		

Seq. No.	31487	Seq. ID	OJ990619_40.9C03.C6
Gene No.	65151	Strand	-
Start	3369	End	7551
Name	OJ990619_40.9C03.C6.o1.ts	Method	TBLASTX:Soybean
Start	3951	End	4220
GI	none	Score	137
Exons	3951..4220, 3958..4125		

Seq. No.	31487	Seq. ID	OJ990619_40.9C03.C6
Gene No.	65151	Strand	-
Start	3369	End	7551
Name	OJ990619_40.9C03.C6.o2.gp	Method	AAT/GAP
Start	4068	End	4679
GI	LIB3477-010-P1-K1-F8	Score	678
Exons	4068..4208, 4438..4679		
GI Descrip.	'1669599/dbj\|BAA13687\| 2.0e-13 (D88746) AR791 [Arabidopsis thaliana]'		

Seq. No.	31487	Seq. ID	OJ990619_40.9C03.C6
Gene No.	65151	Strand	-
Start	3369	End	7551
Name	OJ990619_40.9C03.C6.o1.tw	Method	TBLASTX:Wheat
Start	4471	End	4931
GI	none	Score	92
Exons	4471..4530, 4473..4625, 4474..4551, 4617..4847, 4618..4929, 4619..4930, 4620..4931		

Seq. No.	31487	Seq. ID	OJ990619_40.9C03.C6
Gene No.	65151	Strand	-
Start	3369	End	7551
Name	OJ990619_40.9C03.C6.o2.tm	Method	TBLASTX:Maize
Start	4718	End	4983
GI	none	Score	209
Exons	4718..4969, 4719..4970, 4729..4983		

Seq. No.	31487	Seq. ID	OJ990619_40.9C03.C6
Gene No.	65151	Strand	-
Start	3369	End	7551
Name	OJ990619_40.9C03.C6.o3.gp	Method	AAT/GAP
Start	5946	End	6451
GI	43649_2.R1084	Score	767
Exons	5946..6209, 6313..6451		
GI Descrip.	'3688173/emb\|CAA21201\| 2.0e-13 (AL031804) putative protein [Arabidopsis thaliana]'		

Seq. No.	31488	Seq. ID	OJ990619_40.9C03.C7

Gene No.	65152	Strand	+
Start	4307	End	11291
Name	OJ990619_40.9C03.C7.o1.gp	Method	AAT/GAP
Start	3948	End	7307
GI	700823	Score	643
Exons	3948..4067, 6913..7089, 7224..7307		

Seq. No.	31488	Seq. ID	OJ990619_40.9C03.C7
Gene No.	65152	Strand	+
Start	4307	End	11291
Name	OJ990619_40.9C03.C7.o2.gs	Method	GENSCAN
Start	4307	End	11291
GI	none	Score	.75
Exons	4307..4519, 4715..4851, 4928..5039, 6913..7089, 7224..7340, 7928..8030, 8160..8207, 8870..8967, 9064..9178, 10108..10137, 10557..10639, 10722..11291		

Seq. No.	31488	Seq. ID	OJ990619_40.9C03.C7
Gene No.	65152	Strand	+
Start	4307	End	11291
Name	OJ990619_40.9C03.C7.o2.np	Method	AAT/NAP
Start	4336	End	5021
GI	3128304	Score	119
Exons	4336..4596, 4729..4848, 4928..5021		
GI Descrip.	(AF010496) hypothetical protein [Rhodobacter capsulatus]		

Seq. No.	31488	Seq. ID	OJ990619_40.9C03.C7
Gene No.	65152	Strand	+
Start	4307	End	11291
Name	OJ990619_40.9C03.C7.o3.np	Method	AAT/NAP
Start	7251	End	11288
GI	5430774	Score	494
Exons	7251..7340, 7928..8030, 8870..8967, 10722..11288		
GI Descrip.	(AC007504) Hypothetical Protein [Arabidopsis thaliana]		

Seq. No.	31488	Seq. ID	OJ990619_40.9C03.C7
Gene No.	65153	Strand	+
Start	11485	End	11762
Name	OJ990619_40.9C03.C7.o2.gp	Method	AAT/GAP
Start	11485	End	11762
GI	5851098	Score	479
Exons	11485..11762		

Seq. No.	31488	Seq. ID	OJ990619_40.9C03.C7
Gene No.	65154	Strand	+
Start	12592	End	15765
Name	OJ990619_40.9C03.C7.o3.gs	Method	GENSCAN
Start	12592	End	15277
GI	none	Score	.55
Exons	12592..12658, 13970..14377, 14599..14814, 14901..15277		

Seq. No.	31488	Seq. ID	OJ990619_40.9C03.C7
Gene No.	65154	Strand	+
Start	12592	End	15765
Name	OJ990619_40.9C03.C7.o6.np	Method	AAT/NAP
Start	14906	End	15765
GI	6691193	Score	650

Exons	14906..15765		
GI Descrip.	(AC007534) F7F22.17 [Arabidopsis thaliana]		
Seq. No.	31488	Seq. ID	OJ990619_40.9C03.C7
Gene No.	65155	Strand	-
Start	1	End	626
Name	OJ990619_40.9C03.C7.o1.np	Method	AAT/NAP
Start	1	End	626
GI	6539588	Score	190
Exons	1..20, 308..626		
GI Descrip.	(AP000837) hypothetical protein [Oryza sativa]		
Seq. No.	31488	Seq. ID	OJ990619_40.9C03.C7
Gene No.	65156	Strand	-
Start	12119	End	12856
Name	OJ990619_40.9C03.C7.o4.np	Method	AAT/NAP
Start	12119	End	12856
GI	82638	Score	91
Exons	12119..12329, 12625..12856		
GI Descrip.	hypothetical 16K protein (nad5 intron) - wheat mitochondrion		
Seq. No.	31488	Seq. ID	OJ990619_40.9C03.C7
Gene No.	65157	Strand	-
Start	16098	End	17767
Name	OJ990619_40.9C03.C7.o3.tm	Method	TBLASTX:Maize
Start	7245	End	8206
GI	none	Score	148
Exons	7245..7349, 7246..7350, 7246..7341, 7256..7348, 7260..7349, 7927..8040, 7928..8032, 7928..8047, 8155..8205, 8156..8206		
Seq. No.	31488	Seq. ID	OJ990619_40.9C03.C7
Gene No.	65157	Strand	-
Start	16098	End	17767
Name	OJ990619_40.9C03.C7.o2.tm	Method	TBLASTX:Maize
Start	11129	End	11455
GI	none	Score	188
Exons	11129..11278, 11130..11279, 11131..11289, 11196..11279, 11396..11455, 11401..11454		
Seq. No.	31488	Seq. ID	OJ990619_40.9C03.C7
Gene No.	65157	Strand	-
Start	16098	End	17767
Name	OJ990619_40.9C03.C7.o2.tw	Method	TBLASTX:Wheat
Start	14897	End	15064
GI	none	Score	177
Exons	14897..15046, 14900..15064		
Seq. No.	31488	Seq. ID	OJ990619_40.9C03.C7
Gene No.	65157	Strand	-
Start	16098	End	17767
Name	OJ990619_40.9C03.C7.o1.tw	Method	TBLASTX:Wheat
Start	15151	End	15528
GI	none	Score	82
Exons	15151..15246, 15152..15247, 15233..15337, 15236..15343, 15364..15528, 15365..15505		
Seq. No.	31488	Seq. ID	OJ990619_40.9C03.C7

Gene No.	65157	Strand	-
Start	16098	End	17767
Name	OJ990619_40.9C03.C7.o3.gp	Method	AAT/GAP
Start	16098	End	16729
GI	2798991	Score	876
Exons	16098..16544, 16663..16729		
GI Descrip.	3402815/emb\|AJ007829\|CVE7829 1.0e-20 Cloning Vector pGreen		

Seq. No.	31488	Seq. ID	OJ990619_40.9C03.C7
Gene No.	65157	Strand	-
Start	16098	End	17767
Name	OJ990619_40.9C03.C7.o1.tm	Method	TBLASTX:Maize
Start	16327	End	17765
GI	none	Score	55
Exons	16327..16404, 16330..16368, 16334..16369, 16350..16535, 16393..16563, 16401..16568, 16406..16567, 16665..16745, 16666..16743, 17373..17513, 17379..17627, 17380..17625, 17694..17765		

Seq. No.	31488	Seq. ID	OJ990619_40.9C03.C7
Gene No.	65157	Strand	-
Start	16098	End	17767
Name	OJ990619_40.9C03.C7.o1.ts	Method	TBLASTX:Soybean
Start	16401	End	17520
GI	none	Score	114
Exons	16401..16550, 16406..16546, 16668..16709, 16678..16710, 16701..16745, 17334..17486, 17351..17482, 17358..17483, 17359..17520		

Seq. No.	31488	Seq. ID	OJ990619_40.9C03.C7
Gene No.	65157	Strand	-
Start	16098	End	17767
Name	OJ990619_40.9C03.C7.o7.np	Method	AAT/NAP
Start	16428	End	17767
GI	3688173	Score	312
Exons	16428..16547, 17382..17624, 17732..17767		
GI Descrip.	(AL031804) putative protein [Arabidopsis thaliana]		

Seq. No.	31488	Seq. ID	OJ990619_40.9C03.C7
Gene No.	65157	Strand	-
Start	16098	End	17767
Name	OJ990619_40.9C03.C7.o4.gp	Method	AAT/GAP
Start	17558	End	17767
GI	2427656	Score	182
Exons	17558..17624, 17732..17767		
GI Descrip.	3688173/emb\|CAA21201\| 2.0e-13 (AL031804) putative protein [Arabidopsis thaliana]		

Seq. No.	31489	Seq. ID	OJ990619_40.9C03.C8
Gene No.	65158	Strand	+
Start	19416	End	21013
Name	OJ990619_40.9C03.C8.o3.gs	Method	GENSCAN
Start	19416	End	21013
GI	none	Score	85
Exons	19416..19587, 19685..19848, 20212..20394, 20678..21013		

Seq. No.	31489	Seq. ID	OJ990619_40.9C03.C8

Gene No.	65159	Strand	+
Start	31182	End	31601
Name	OJ990619_40.9C03.C8.o6.gs	Method	GENSCAN
Start	31182	End	31601
GI	none	Score	.99
Exons	31182..31601		

Seq. No.	31489	Seq. ID	OJ990619_40.9C03.C8
Gene No.	65160	Strand	-
Start	1	End	31336
Name	OJ990619_40.9C03.C8.o2.np	Method	AAT/NAP
Start	1	End	31336
GI	4996894	Score	85
Exons	1..26, 9651..9864, 31229..31336		
GI Descrip.	(AF065164) hyperpolarization-activated, cyclic nucleotide-gated channel 2 [Homo sapiens]		

Seq. No.	31489	Seq. ID	OJ990619_40.9C03.C8
Gene No.	65160	Strand	-
Start	1	End	31336
Name	OJ990619_40.9C03.C8.o1.gs	Method	GENSCAN
Start	76	End	10917
GI	none	Score	.7
Exons	76..356, 443..631, 1214..1473, 1594..1741, 2865..2958, 3325..3637, 3745..3954, 4758..4926, 5834..5959, 6050..6178, 6282..6401, 6820..7028, 7890..7945, 9040..10095, 10826..10917		

Seq. No.	31489	Seq. ID	OJ990619_40.9C03.C8
Gene No.	65160	Strand	-
Start	1	End	31336
Name	OJ990619_40.9C03.C8.o1.np	Method	AAT/NAP
Start	134	End	9869
GI	3688173	Score	3034
Exons	134..356, 443..631, 1214..1448, 1614..1741, 1832..2103, 2557..2665, 2865..2958, 3325..3637, 3745..3954, 4758..4878, 5837..5959, 6050..6178, 6282..6401, 6820..7028, 7830..7940, 9080..9869		
GI Descrip.	(AL031804) putative protein [Arabidopsis thaliana]		

Seq. No.	31489	Seq. ID	OJ990619_40.9C03.C8
Gene No.	65160	Strand	-
Start	1	End	31336
Name	OJ990619_40.9C03.C8.o1.gp	Method	AAT/GAP
Start	192	End	667
GI	uC-osflcyp161e08b1	Score	628
Exons	192..356, 443..667		
GI Descrip.	'6016845/dbj\|AP000570.1\|AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		

Seq. No.	31489	Seq. ID	OJ990619_40.9C03.C8
Gene No.	65160	Strand	-
Start	1	End	31336
Name	OJ990619_40.9C03.C8.o2.gs	Method	GENSCAN
Start	15666	End	16001
GI	none	Score	.82
Exons	15666..15779, 15846..16001		

Seq. No.	31489	Seq. ID	OJ990619_40.9C03.C8
Gene No.	65160	Strand	-
Start	1	End	31336
Name	OJ990619_40.9C03.C8.o4.gs	Method	GENSCAN
Start	23201	End	24164
GI	none	Score	.54
Exons	23201..23410, 24108..24164		

Seq. No.	31489	Seq. ID	OJ990619_40.9C03.C8
Gene No.	65160	Strand	-
Start	1	End	31336
Name	OJ990619_40.9C03.C8.o5.gs	Method	GENSCAN
Start	25015	End	30489
GI	none	Score	.89
Exons	25015..25088, 25281..25330, 26359..26526, 26828..26994, 27269..27350, 27631..27882, 27968..30201, 30292..30489		

Seq. No.	31489	Seq. ID	OJ990619_40.9C03.C8
Gene No.	65161	Strand	-
Start	31248	End	32791
Name	OJ990619_40.9C03.C8.o1.tc	Method	TBLASTX:Cress
Start	135	End	570
GI	none	Score	160
Exons	135..338, 136..327, 141..338, 428..568, 429..536, 434..568, 454..570		

Seq. No.	31489	Seq. ID	OJ990619_40.9C03.C8
Gene No.	65161	Strand	-
Start	31248	End	32791
Name	OJ990619_40.9C03.C8.o1.ts	Method	TBLASTX:Soybean
Start	138	End	1441
GI	none	Score	167
Exons	138..371, 148..354, 443..634, 443..631, 471..632, 1205..1288, 1208..1291, 1212..1439, 1213..1395, 1343..1441, 1343..1441		

Seq. No.	31489	Seq. ID	OJ990619_40.9C03.C8
Gene No.	65161	Strand	-
Start	31248	End	32791
Name	OJ990619_40.9C03.C8.o1.tm	Method	TBLASTX:Maize
Start	159	End	1374
GI	none	Score	277
Exons	159..359, 166..354, 440..634, 443..631, 1200..1268, 1201..1365, 1204..1374, 1212..1370		

Seq. No.	31489	Seq. ID	OJ990619_40.9C03.C8
Gene No.	65161	Strand	-
Start	31248	End	32791
Name	OJ990619_40.9C03.C8.o4.tc	Method	TBLASTX:Cress
Start	572	End	1349
GI	none	Score	192
Exons	572..631, 1205..1288, 1212..1349		

Seq. No.	31489	Seq. ID	OJ990619_40.9C03.C8
Gene No.	65161	Strand	-
Start	31248	End	32791
Name	OJ990619_40.9C03.C8.o2.tc	Method	TBLASTX:Cress
Start	1400	End	2050

GI	none	Score	40
Exons	1400..1447, 1593..1640, 1610..1639, 1634..1741, 1635..1742, 1642..1743, 1642..1743, 1823..1942, 1824..1955, 1830..2048, 1978..2049, 2009..2050		

Seq. No.	31489	Seq. ID	OJ990619_40.9C03.C8
Gene No.	65161	Strand	-
Start	31248	End	32791
Name	OJ990619_40.9C03.C8.o2.tm	Method	TBLASTX:Maize
Start	1593	End	3520
GI	none	Score	199
Exons	1593..1742, 1604..1744, 1604..1741, 1642..1743, 1823..1942, 1824..1955, 1830..2105, 1831..2106, 2555..2662, 2556..2666, 2556..2666, 2557..2679, 2861..2926, 2863..2958, 2863..2922, 2865..2969, 3324..3407, 3326..3520, 3463..3510		

Seq. No.	31489	Seq. ID	OJ990619_40.9C03.C8
Gene No.	65161	Strand	-
Start	31248	End	32791
Name	OJ990619_40.9C03.C8.o2.ts	Method	TBLASTX:Soybean
Start	1644	End	1942
GI	none	Score	98
Exons	1644..1736, 1649..1741, 1650..1736, 1823..1942, 1824..1862		

Seq. No.	31489	Seq. ID	OJ990619_40.9C03.C8
Gene No.	65161	Strand	-
Start	31248	End	32791
Name	OJ990619_40.9C03.C8.o3.tm	Method	TBLASTX:Maize
Start	5079	End	6206
GI	none	Score	51
Exons	5079..5183, 5084..5185, 5144..5176, 5157..5177, 5179..5241, 5182..5241, 5183..5242, 5184..5246, 5827..5976, 5831..5962, 5832..5975, 6047..6187, 6048..6206, 6050..6205		

Seq. No.	31489	Seq. ID	OJ990619_40.9C03.C8
Gene No.	65161	Strand	-
Start	31248	End	32791
Name	OJ990619_40.9C03.C8.o3.tc	Method	TBLASTX:Cress
Start	6276	End	7041
GI	none	Score	72
Exons	6276..6464, 6280..6396, 6811..7041		

Seq. No.	31489	Seq. ID	OJ990619_40.9C03.C8
Gene No.	65161	Strand	-
Start	31248	End	32791
Name	OJ990619_40.9C03.C8.o4.tm	Method	TBLASTX:Maize
Start	6303	End	7925
GI	none	Score	98
Exons	6303..6419, 6304..6396, 6314..6406, 6811..7029, 6812..6913, 6820..7023, 6977..7030, 7829..7885, 7833..7910, 7893..7925		

Seq. No.	31489	Seq. ID	OJ990619_40.9C03.C8
Gene No.	65161	Strand	-
Start	31248	End	32791
Name	OJ990619_40.9C03.C8.o5.tm	Method	TBLASTX:Maize
Start	8615	End	9003
GI	none	Score	133

Exons	8615..8794, 8625..8801, 8645..8782, 8658..8795, 8835..8888, 8859..8888, 8884..9003, 8885..8995, 8917..9000		
Seq. No.	31489	Seq. ID	OJ990619_40.9C03.C8
Gene No.	65161	Strand	-
Start	31248	End	32791
Name	OJ990619_40.9C03.C8.o4.np	Method	AAT/NAP
Start	31248	End	32791
GI	4680203	Score	278
Exons	31248..31306, 32451..32791		
GI Descrip.	(AF114171) TNP2-like protein [Sorghum bicolor]		

Seq. No.	31489	Seq. ID	OJ990619_40.9C03.C8
Gene No.	65161	Strand	-
Start	31248	End	32791
Name	OJ990619_40.9C03.C8.o7.gs	Method	GENSCAN
Start	32246	End	32734
GI	none	Score	.99
Exons	32246..32734		

Seq. No.	31489	Seq. ID	OJ990619_40.9C03.C8
Gene No.	65161	Strand	-
Start	31248	End	32791
Name	OJ990619_40.9C03.C8.o3.ts	Method	TBLASTX:Soybean
Start	32393	End	32605
GI	none	Score	90
Exons	32393..32605, 32447..32605		

Seq. No.	31489	Seq. ID	OJ990619_40.9C03.C8
Gene No.	65161	Strand	-
Start	31248	End	32791
Name	OJ990619_40.9C03.C8.o1.tw	Method	TBLASTX:Wheat
Start	32453	End	32785
GI	none	Score	64
Exons	32453..32554, 32460..32552, 32556..32675, 32585..32686, 32663..32785, 32679..32780		

Seq. No.	31490	Seq. ID	OJ990619_40.9C03.C9
Gene No.	65162	Strand	-
Start	141	End	3566
Name	OJ990619_40.9C03.C9.o1.np	Method	AAT/NAP
Start	141	End	3566
GI	5911167	Score	1287
Exons	141..2126, 3534..3566		
GI Descrip.	(AF136221) putative transposase protein [Zea mays]		

Seq. No.	31490	Seq. ID	OJ990619_40.9C03.C9
Gene No.	65163	Strand	-
Start	7483	End	11105
Name	OJ990619_40.9C03.C9.o1.tw	Method	TBLASTX:Wheat
Start	3	End	620
GI	none	Score	211
Exons	3..620, 31..567		

Seq. No.	31490	Seq. ID	OJ990619_40.9C03.C9
Gene No.	65163	Strand	-
Start	7483	End	11105

Name	OJ990619_40.9C03.C9.o2.tc	Method	TBLASTX:Cress
Start	3	End	329
GI	none	Score	125
Exons	3..329, 31..321		

Seq. No.	31490	Seq. ID	OJ990619_40.9C03.C9
Gene No.	65163	Strand	-
Start	7483	End	11105
Name	OJ990619_40.9C03.C9.o1.tm	Method	TBLASTX:Maize
Start	261	End	644
GI	none	Score	273
Exons	261..575, 262..576, 576..644		

Seq. No.	31490	Seq. ID	OJ990619_40.9C03.C9
Gene No.	65163	Strand	-
Start	7483	End	11105
Name	OJ990619_40.9C03.C9.o2.tm	Method	TBLASTX:Maize
Start	1149	End	1634
GI	none	Score	74
Exons	1149..1238, 1153..1242, 1242..1289, 1290..1337, 1331..1366, 1434..1523, 1435..1527, 1530..1634, 1531..1626		

Seq. No.	31490	Seq. ID	OJ990619_40.9C03.C9
Gene No.	65163	Strand	-
Start	7483	End	11105
Name	OJ990619_40.9C03.C9.o4.tw	Method	TBLASTX:Wheat
Start	1200	End	1535
GI	none	Score	57
Exons	1200..1238, 1248..1346, 1264..1335, 1392..1490, 1393..1488, 1494..1535		

Seq. No.	31490	Seq. ID	OJ990619_40.9C03.C9
Gene No.	65163	Strand	-
Start	7483	End	11105
Name	OJ990619_40.9C03.C9.o1.tc	Method	TBLASTX:Cress
Start	1440	End	1772
GI	none	Score	82
Exons	1440..1772, 1495..1602, 1636..1686		

Seq. No.	31490	Seq. ID	OJ990619_40.9C03.C9
Gene No.	65163	Strand	-
Start	7483	End	11105
Name	OJ990619_40.9C03.C9.o2.ts	Method	TBLASTX:Soybean
Start	1521	End	1796
GI	none	Score	130
Exons	1521..1796, 1522..1761		

Seq. No.	31490	Seq. ID	OJ990619_40.9C03.C9
Gene No.	65163	Strand	-
Start	7483	End	11105
Name	OJ990619_40.9C03.C9.o2.tw	Method	TBLASTX:Wheat
Start	1536	End	2129
GI	none	Score	69
Exons	1536..1661, 1537..1644, 1665..1781, 1680..1778, 1837..2127, 1839..2129		

Seq. No.	31490	Seq. ID	OJ990619_40.9C03.C9

Gene No.	65163	Strand	-
Start	7483	End	11105
Name	OJ990619_40.9C03.C9.o1.ts	Method	TBLASTX:Soybean
Start	1839	End	2111
GI	none	Score	101
Exons	1839..2111, 1846..2094		

Seq. No.	31490	Seq. ID	OJ990619_40.9C03.C9
Gene No.	65163	Strand	-
Start	7483	End	11105
Name	OJ990619_40.9C03.C9.o2.np	Method	AAT/NAP
Start	7483	End	11105
GI	4680204	Score	871
Exons	7483..7646, 7753..7813, 8097..8233, 8323..8496, 8585..9633, 9726..11105		
GI Descrip.	(AF114171) hypothetical protein [Sorghum bicolor]		

Seq. No.	31490	Seq. ID	OJ990619_40.9C03.C9
Gene No.	65163	Strand	-
Start	7483	End	11105
Name	OJ990619_40.9C03.C9.o5.tw	Method	TBLASTX:Wheat
Start	8161	End	8516
GI	none	Score	49
Exons	8161..8235, 8162..8236, 8310..8516, 8313..8507		

Seq. No.	31490	Seq. ID	OJ990619_40.9C03.C9
Gene No.	65163	Strand	-
Start	7483	End	11105
Name	OJ990619_40.9C03.C9.o3.tw	Method	TBLASTX:Wheat
Start	10095	End	10496
GI	none	Score	76
Exons	10095..10265, 10096..10170, 10255..10395, 10260..10496, 10302..10496		

Seq. No.	31491	Seq. ID	OJ990619_40.9C03.C10
Gene No.	65164	Strand	+
Start	4825	End	5595
Name	OJ990619_40.9C03.C10.o3.gs	Method	GENSCAN
Start	4825	End	5595
GI	none	Score	1
Exons	4825..5595		

Seq. No.	31491	Seq. ID	OJ990619_40.9C03.C10
Gene No.	65165	Strand	+
Start	6795	End	9044
Name	OJ990619_40.9C03.C10.o4.gs	Method	GENSCAN
Start	6795	End	9044
GI	none	Score	.74
Exons	6795..6851, 8919..9044		

Seq. No.	31491	Seq. ID	OJ990619_40.9C03.C10
Gene No.	65166	Strand	+
Start	9577	End	10883
Name	OJ990619_40.9C03.C10.o2.gp	Method	AAT/GAP
Start	9577	End	10666
GI	LIB3477-003-P1-K1-E9	Score	132
Exons	9577..9607, 10595..10666		

GI Descrip.	'2498586/sp\|Q40638\|MPO1_ORYSA 2.0e-24 MAJOR POLLEN ALLERGEN ORY S 1 PRECURSOR (ORY S I) >gi_1173557 (U31771) Ory s 1 [Oryza sativa]'		
Seq. No.	31491	Seq. ID	OJ990619_40.9C03.C10
Gene No.	65166	Strand	+
Start	9577	End	10883
Name	OJ990619_40.9C03.C10.o5.gs	Method	GENSCAN
Start	10513	End	10883
GI	none	Score	.86
Exons	10513..10530, 10731..10883		
Seq. No.	31491	Seq. ID	OJ990619_40.9C03.C10
Gene No.	65167	Strand	+
Start	13973	End	22430
Name	OJ990619_40.9C03.C10.o7.gs	Method	GENSCAN
Start	13973	End	15067
GI	none	Score	1
Exons	13973..15067		
Seq. No.	31491	Seq. ID	OJ990619_40.9C03.C10
Gene No.	65167	Strand	+
Start	13973	End	22430
Name	OJ990619_40.9C03.C10.o5.np	Method	AAT/NAP
Start	14057	End	18841
GI	6815097	Score	6206
Exons	14057..14944, 15451..15896, 15971..16094, 16209..17937, 18076..18841		
GI Descrip.	(AP001081) Similar to putative copia polyprotein (AC006248) [Oryza sativa]		
Seq. No.	31491	Seq. ID	OJ990619_40.9C03.C10
Gene No.	65167	Strand	+
Start	13973	End	22430
Name	OJ990619_40.9C03.C10.o8.gs	Method	GENSCAN
Start	16240	End	22430
GI	none	Score	.42
Exons	16240..17416, 17528..17869, 17959..18547, 19411..19599, 20636..20726, 21169..21329, 22346..22430		
Seq. No.	31491	Seq. ID	OJ990619_40.9C03.C10
Gene No.	65167	Strand	+
Start	13973	End	22430
Name	OJ990619_40.9C03.C10.o6.np	Method	AAT/NAP
Start	22066	End	22206
GI	5922620	Score	120
Exons	22066..22206		
GI Descrip.	(AP000492) EST D15357(C0514) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa] gi\|6016853\|dbj\|BAA85196.1\| (AP000570) EST D15357(C0514) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		
Seq. No.	31491	Seq. ID	OJ990619_40.9C03.C10
Gene No.	65168	Strand	-
Start	1271	End	3257
Name	OJ990619_40.9C03.C10.o2.np	Method	AAT/NAP

Start	1271	End	3257
GI	6742729	Score	2986
Exons	1271..1584, 1612..3257		
GI Descrip.	(AF121139) RIM2 protein [Oryza sativa]		

Seq. No.	31491	Seq. ID	OJ990619_40.9C03.C10
Gene No.	65169	Strand	-
Start	3312	End	5066
Name	OJ990619_40.9C03.C10.o2.gs	Method	GENSCAN
Start	3312	End	4070
GI	none	Score	1
Exons	3312..4070		

Seq. No.	31491	Seq. ID	OJ990619_40.9C03.C10
Gene No.	65169	Strand	-
Start	3312	End	5066
Name	OJ990619_40.9C03.C10.o3.np	Method	AAT/NAP
Start	3741	End	5066
GI	5852182	Score	419
Exons	3741..4070, 4929..5066		
GI Descrip.	(AL117265) zhb0012.1 [Oryza sativa]		

Seq. No.	31491	Seq. ID	OJ990619_40.9C03.C10
Gene No.	65170	Strand	-
Start	12692	End	13291
Name	OJ990619_40.9C03.C10.o4.np	Method	AAT/NAP
Start	12692	End	13291
GI	6815096	Score	635
Exons	12692..12924, 12987..13096, 13167..13291		
GI Descrip.	(AP001081) hypothetical protein [Oryza sativa]		

Seq. No.	31491	Seq. ID	OJ990619_40.9C03.C10
Gene No.	65171	Strand	-
Start	22340	End	22422
Name	OJ990619_40.9C03.C10.o7.np	Method	AAT/NAP
Start	22340	End	22422
GI	6630699	Score	78
Exons	22340..22422		
GI Descrip.	(AP000969) hypothetical protein [Oryza sativa] gi\|6721536\|dbj\|BAA89566.1\| (AP001073) hypothetical protein [Oryza sativa]		

Seq. No.	31491	Seq. ID	OJ990619_40.9C03.C10
Gene No.	65172	Strand	-
Start	31601	End	32240
Name	OJ990619_40.9C03.C10.o1.tw	Method	TBLASTX:Wheat
Start	786	End	2136
GI	none	Score	50
Exons	786..878, 787..852, 867..935, 883..936, 953..1033, 961..1074, 962..1102, 1081..1140, 1146..1211, 1146..1169, 1147..1191, 1186..1566, 1202..1603, 1218..1613, 1574..2131, 1630..2130, 1951..2136		

Seq. No.	31491	Seq. ID	OJ990619_40.9C03.C10
Gene No.	65172	Strand	-
Start	31601	End	32240
Name	OJ990619_40.9C03.C10.o2.tc	Method	TBLASTX:Cress

Start	1367	End	1843
GI	none	Score	91
Exons	1367..1603, 1390..1566, 1574..1843, 1630..1839		

Seq. No.	31491	Seq. ID	OJ990619_40.9C03.C10
Gene No.	65172	Strand	-
Start	31601	End	32240
Name	OJ990619_40.9C03.C10.o3.tm	Method	TBLASTX:Maize
Start	1774	End	2088
GI	none	Score	67
Exons	1774..2004, 1774..2088, 1802..2077		

Seq. No.	31491	Seq. ID	OJ990619_40.9C03.C10
Gene No.	65172	Strand	-
Start	31601	End	32240
Name	OJ990619_40.9C03.C10.o3.tw	Method	TBLASTX:Wheat
Start	2137	End	2541
GI	none	Score	70
Exons	2137..2217, 2138..2218, 2138..2221, 2143..2223, 2250..2453, 2250..2462, 2251..2493, 2291..2473, 2479..2541, 2492..2539		

Seq. No.	31491	Seq. ID	OJ990619_40.9C03.C10
Gene No.	65172	Strand	-
Start	31601	End	32240
Name	OJ990619_40.9C03.C10.o5.ts	Method	TBLASTX:Soybean
Start	2575	End	2817
GI	none	Score	206
Exons	2575..2817		

Seq. No.	31491	Seq. ID	OJ990619_40.9C03.C10
Gene No.	65172	Strand	-
Start	31601	End	32240
Name	OJ990619_40.9C03.C10.o4.tm	Method	TBLASTX:Maize
Start	2647	End	3104
GI	none	Score	64
Exons	2647..2841, 2851..2976, 2852..2977, 2973..3092, 2976..3104		

Seq. No.	31491	Seq. ID	OJ990619_40.9C03.C10
Gene No.	65172	Strand	-
Start	31601	End	32240
Name	OJ990619_40.9C03.C10.o2.tw	Method	TBLASTX:Wheat
Start	2681	End	3150
GI	none	Score	168
Exons	2681..2887, 2681..2800, 2686..2889, 2686..2910, 2890..2976, 2891..2977, 2973..3095, 2991..3095, 2995..3096, 3093..3149, 3097..3150		

Seq. No.	31491	Seq. ID	OJ990619_40.9C03.C10
Gene No.	65172	Strand	-
Start	31601	End	32240
Name	OJ990619_40.9C03.C10.o3.tc	Method	TBLASTX:Cress
Start	2976	End	3285
GI	none	Score	66
Exons	2976..3278, 3001..3084, 3133..3285		

Seq. No.	31491	Seq. ID	OJ990619_40.9C03.C10
Gene No.	65172	Strand	-

Start	31601	End	32240
Name	OJ990619_40.9C03.C10.o2.ts	Method	TBLASTX:Soybean
Start	3018	End	3446
GI	none	Score	113
Exons	3018..3311, 3036..3275, 3372..3446		

Seq. No.	31491	Seq. ID	OJ990619_40.9C03.C10
Gene No.	65172	Strand	-
Start	31601	End	32240
Name	OJ990619_40.9C03.C10.o5.tw	Method	TBLASTX:Wheat
Start	3363	End	3764
GI	none	Score	153
Exons	3363..3620, 3368..3610, 3376..3618, 3378..3629, 3379..3621, 3612..3764, 3626..3745		

Seq. No.	31491	Seq. ID	OJ990619_40.9C03.C10
Gene No.	65172	Strand	-
Start	31601	End	32240
Name	OJ990619_40.9C03.C10.o1.tc	Method	TBLASTX:Cress
Start	4918	End	32240
GI	none	Score	186
Exons	4918..5118, 4983..5117, 5164..5262, 5356..5439, 5503..5544, 31622..31705, 31706..31831, 31785..31829, 31928..32008, 31935..31985, 32018..32239, 32055..32240		

Seq. No.	31491	Seq. ID	OJ990619_40.9C03.C10
Gene No.	65172	Strand	-
Start	31601	End	32240
Name	OJ990619_40.9C03.C10.o1.tm	Method	TBLASTX:Maize
Start	4918	End	32240
GI	none	Score	95
Exons	4918..5046, 4935..5051, 5025..5138, 5047..5145, 5160..5255, 5164..5262, 5353..5406, 5356..5442, 31622..31690, 31623..31685, 31712..31831, 31785..31829, 31928..32008, 31935..31994, 32027..32125, 32046..32147, 32121..32240, 32126..32239		

Seq. No.	31491	Seq. ID	OJ990619_40.9C03.C10
Gene No.	65172	Strand	-
Start	31601	End	32240
Name	OJ990619_40.9C03.C10.o1.ts	Method	TBLASTX:Soybean
Start	4918	End	32239
GI	none	Score	200
Exons	4918..5151, 5028..5165, 5182..5262, 5356..5460, 31712..31831, 31928..32008, 32018..32239		

Seq. No.	31491	Seq. ID	OJ990619_40.9C03.C10
Gene No.	65172	Strand	-
Start	31601	End	32240
Name	OJ990619_40.9C03.C10.o4.tw	Method	TBLASTX:Wheat
Start	4918	End	32240
GI	none	Score	185
Exons	4918..5145, 4977..5138, 5131..5262, 5160..5255, 5356..5442, 5358..5420, 31589..31684, 31623..31685, 31712..31831, 31785..31829, 31799..31831, 31928..32005, 31935..31994, 31961..32005, 32027..32239, 32055..32240		

Seq. No.	31491	Seq. ID	OJ990619_40.9C03.C10

Gene No.	65172	Strand	-
Start	31601	End	32240
Name	OJ990619_40.9C03.C10.o4.tc	Method	TBLASTX:Cress
Start	14156	End	14413
GI	none	Score	191
Exons	14156..14413		

Seq. No.	31491	Seq. ID	OJ990619_40.9C03.C10
Gene No.	65172	Strand	-
Start	31601	End	32240
Name	OJ990619_40.9C03.C10.o3.ts	Method	TBLASTX:Soybean
Start	17506	End	17904
GI	5509260	Score	203
Exons	17506..17808, 17524..17607, 17833..17904		
GI Descrip.	-		

Seq. No.	31491	Seq. ID	OJ990619_40.9C03.C10
Gene No.	65172	Strand	-
Start	31601	End	32240
Name	OJ990619_40.9C03.C10.o6.tw	Method	TBLASTX:Wheat
Start	17563	End	18362
GI	none	Score	161
Exons	17563..17805, 17583..17654, 17723..17776, 17833..17907, 17910..18008, 18282..18362		

Seq. No.	31491	Seq. ID	OJ990619_40.9C03.C10
Gene No.	65172	Strand	-
Start	31601	End	32240
Name	OJ990619_40.9C03.C10.o4.ts	Method	TBLASTX:Soybean
Start	18333	End	18698
GI	none	Score	228
Exons	18333..18698, 18491..18688		

Seq. No.	31491	Seq. ID	OJ990619_40.9C03.C10
Gene No.	65172	Strand	-
Start	31601	End	32240
Name	OJ990619_40.9C03.C10.o2.tm	Method	TBLASTX:Maize
Start	18350	End	18674
GI	none	Score	340
Exons	18350..18673, 18351..18674		

Seq. No.	31491	Seq. ID	OJ990619_40.9C03.C10
Gene No.	65172	Strand	-
Start	31601	End	32240
Name	OJ990619_40.9C03.C10.o8.np	Method	AAT/NAP
Start	31601	End	32240
GI	4914402	Score	472
Exons	31601..32240		
GI Descrip.	(AL050352) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	31492	Seq. ID	OJ990619_40.9C03.C11
Gene No.	65173	Strand	+
Start	1	End	418
Name	OJ990619_40.9C03.C11.o1.np	Method	AAT/NAP
Start	1	End	418
GI	81286	Score	107
Exons	1..418		

GI Descrip.	extensin - Volvox carteri (fragment) gi\|21992\|emb\|CAA46283\| (X65165) extensin [Volvox carteri]		
Seq. No.	31492	Seq. ID	OJ990619_40.9C03.C11
Gene No.	65174	Strand	+
Start	843	End	4405
Name	OJ990619_40.9C03.C11.o2.gs	Method	GENSCAN
Start	843	End	4405
GI	none	Score	.72
Exons	843..1155, 1522..1568, 4004..4045, 4220..4405		
Seq. No.	31492	Seq. ID	OJ990619_40.9C03.C11
Gene No.	65175	Strand	+
Start	4536	End	5880
Name	OJ990619_40.9C03.C11.o2.np	Method	AAT/NAP
Start	4536	End	5880
GI	6630699	Score	86
Exons	4536..4596, 5801..5880		
GI Descrip.	(AP000969) hypothetical protein [Oryza sativa] gi\|6721536\|dbj\|BAA89566.1\| (AP001073) hypothetical protein [Oryza sativa]		
Seq. No.	31492	Seq. ID	OJ990619_40.9C03.C11
Gene No.	65176	Strand	+
Start	8004	End	9896
Name	OJ990619_40.9C03.C11.o4.np	Method	AAT/NAP
Start	8004	End	9896
GI	4680203	Score	563
Exons	8004..8039, 9278..9896		
GI Descrip.	(AF114171) TNP2-like protein [Sorghum bicolor]		
Seq. No.	31492	Seq. ID	OJ990619_40.9C03.C11
Gene No.	65176	Strand	+
Start	8004	End	9896
Name	OJ990619_40.9C03.C11.o4.gs	Method	GENSCAN
Start	9278	End	9885
GI	none	Score	.98
Exons	9278..9885		
Seq. No.	31492	Seq. ID	OJ990619_40.9C03.C11
Gene No.	65176	Strand	+
Start	8004	End	9896
Name	OJ990619_40.9C03.C11.o1.gp	Method	AAT/GAP
Start	9282	End	9896
GI	342_1.R1084	Score	860
Exons	9282..9896		
GI Descrip.	'4574406/gb\|AAD24042.1\| 0.0e+00 (AF121139) RIM2 protein [Oryza sativa]'		
Seq. No.	31492	Seq. ID	OJ990619_40.9C03.C11
Gene No.	65177	Strand	-
Start	41	End	460
Name	OJ990619_40.9C03.C11.o1.gs	Method	GENSCAN
Start	41	End	460
GI	none	Score	.44
Exons	41..460		

Seq. No.	31492	Seq. ID	OJ990619_40.9C03.C11
Gene No.	65178	Strand	-
Start	6580	End	9263
Name	OJ990619_40.9C03.C11.o3.np	Method	AAT/NAP
Start	6019	End	9263
GI	5922620	Score	305
Exons	6019..6242, 7437..7691, 8259..8329, 9093..9263		
GI Descrip.	(AP000492) EST D15357(C0514) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa] gi\|6016853\|dbj\|BAA85196.1\| (AP000570) EST D15357(C0514) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	31492	Seq. ID	OJ990619_40.9C03.C11
Gene No.	65178	Strand	-
Start	6580	End	9263
Name	OJ990619_40.9C03.C11.o3.gs	Method	GENSCAN
Start	6580	End	8415
GI	none	Score	.62
Exons	6580..6953, 7708..8170, 8218..8415		

Seq. No.	31492	Seq. ID	OJ990619_40.9C03.C11
Gene No.	65179	Strand	
Start	9584	End	9895
Name	OJ990619_40.9C03.C11.o1.tw	Method	TBLASTX:Wheat
Start	9584	End	9895
GI	none	Score	91
Exons	9584..9736, 9603..9722, 9719..9895, 9720..9887, 9727..9894		

Seq. No.	31493	Seq. ID	OJ990619_40.9C03.C12
Gene No.	65180	Strand	+
Start	1	End	2986
Name	OJ990619_40.9C03.C12.o1.gp	Method	AAT/GAP
Start	1	End	2986
GI	342_1.R1084	Score	4564
Exons	1..2986		
GI Descrip.	'4574406/gb\|AAD24042.1\| 0.0e+00 (AF121139) RIM2 protein [Oryza sativa]'		

Seq. No.	31493	Seq. ID	OJ990619_40.9C03.C12
Gene No.	65180	Strand	+
Start	1	End	2986
Name	OJ990619_40.9C03.C12.o1.np	Method	AAT/NAP
Start	1	End	1751
GI	6742729	Score	2657
Exons	1..1751		
GI Descrip.	(AF121139) RIM2 protein [Oryza sativa]		

Seq. No.	31493	Seq. ID	OJ990619_40.9C03.C12
Gene No.	65180	Strand	+
Start	1	End	2986
Name	OJ990619_40.9C03.C12.o1.gs	Method	GENSCAN
Start	86	End	2310
GI	none	Score	.77
Exons	86..250, 314..584, 717..1318, 1720..2310		

Seq. No.	31493	Seq. ID	OJ990619_40.9C03.C12

Gene No.	65181	Strand	-
Start	3099	End	3265
Name	OJ990619_40.9C03.C12.o3.tw	Method	TBLASTX:Wheat
Start	2	End	369
GI	none	Score	42
Exons	2..31, 3..131, 36..59, 63..134, 68..136, 130..159, 131..160, 140..364, 163..369, 265..369		

Seq. No.	31493	Seq. ID	OJ990619_40.9C03.C12
Gene No.	65181	Strand	-
Start	3099	End	3265
Name	OJ990619_40.9C03.C12.o2.tm	Method	TBLASTX:Maize
Start	39	End	403
GI	none	Score	98
Exons	39..131, 134..199, 209..403		

Seq. No.	31493	Seq. ID	OJ990619_40.9C03.C12
Gene No.	65181	Strand	-
Start	3099	End	3265
Name	OJ990619_40.9C03.C12.o1.ts	Method	TBLASTX:Soybean
Start	233	End	475
GI	none	Score	200
Exons	233..475		

Seq. No.	31493	Seq. ID	OJ990619_40.9C03.C12
Gene No.	65181	Strand	-
Start	3099	End	3265
Name	OJ990619_40.9C03.C12.o2.tw	Method	TBLASTX:Wheat
Start	509	End	913
GI	none	Score	75
Exons	509..571, 577..759, 581..799, 832..912, 833..913		

Seq. No.	31493	Seq. ID	OJ990619_40.9C03.C12
Gene No.	65181	Strand	-
Start	3099	End	3265
Name	OJ990619_40.9C03.C12.o1.tw	Method	TBLASTX:Wheat
Start	914	End	2235
GI	none	Score	531
Exons	914..1099, 919..1398, 920..1345, 1245..1364, 1385..1804, 1392..1820, 1393..1836, 1811..1876, 1830..1871, 1831..1875, 1878..1973, 1882..1941, 1920..2078, 1921..2067, 2073..2126, 2074..2142, 2143..2235, 2169..2234		

Seq. No.	31493	Seq. ID	OJ990619_40.9C03.C12
Gene No.	65181	Strand	-
Start	3099	End	3265
Name	OJ990619_40.9C03.C12.o1.tm	Method	TBLASTX:Maize
Start	962	End	1276
GI	none	Score	288
Exons	962..1276, 979..1275		

Seq. No.	31493	Seq. ID	OJ990619_40.9C03.C12
Gene No.	65181	Strand	-
Start	3099	End	3265
Name	OJ990619_40.9C03.C12.o1.tc	Method	TBLASTX:Cress
Start	1207	End	1653
GI	none	Score	164

Exons	1207..1398, 1211..1345, 1245..1364, 1392..1643, 1392..1649, 1393..1653, 1501..1653		
Seq. No.	31493	Seq. ID	OJ990619_40.9C03.C12
Gene No.	65181	Strand	-
Start	3099	End	3265
Name	OJ990619_40.9C03.C12.o2.gs	Method	GENSCAN
Start	3099	End	3265
GI	none	Score	.97
Exons	3099..3265		
Seq. No.	31494	Seq. ID	OJ990619_40.9C03.C13
Gene No.	65182	Strand	+
Start	1547	End	5183
Name	OJ990619_40.9C03.C13.o1.np	Method	AAT/NAP
Start	1547	End	5183
GI	4680204	Score	831
Exons	1547..2924, 3016..4085, 4174..4347, 4441..4609, 5002..5183		
GI Descrip.	(AF114171) hypothetical protein [Sorghum bicolor]		
Seq. No.	31494	Seq. ID	OJ990619_40.9C03.C13
Gene No.	65182	Strand	+
Start	1547	End	5183
Name	OJ990619_40.9C03.C13.o1.gs	Method	GENSCAN
Start	1562	End	4309
GI	none	Score	.49
Exons	1562..1822, 2124..2444, 2562..2924, 2995..3209, 3444..4085, 4174..4309		
Seq. No.	31494	Seq. ID	OJ990619_40.9C03.C13
Gene No.	65183	Strand	+
Start	7160	End	10610
Name	OJ990619_40.9C03.C13.o3.gs	Method	GENSCAN
Start	7160	End	10610
GI	none	Score	.59
Exons	7160..7162, 7283..7478, 8135..8165, 9141..9279, 9370..9510, 9615..9899, 10548..10610		
Seq. No.	31494	Seq. ID	OJ990619_40.9C03.C13
Gene No.	65184	Strand	-
Start	5602	End	6459
Name	OJ990619_40.9C03.C13.o2.gs	Method	GENSCAN
Start	5602	End	6459
GI	none	Score	.99
Exons	5602..6459		
Seq. No.	31494	Seq. ID	OJ990619_40.9C03.C13
Gene No.	65185	Strand	-
Start	11754	End	12966
Name	OJ990619_40.9C03.C13.o2.tw	Method	TBLASTX:Wheat
Start	2133	End	2534
GI	none	Score	211
Exons	2133..2369, 2133..2327, 2364..2534, 2417..2533		
Seq. No.	31494	Seq. ID	OJ990619_40.9C03.C13
Gene No.	65185	Strand	-
Start	11754	End	12966

Name	OJ990619_40.9C03.C13.o3.tw	Method	TBLASTX:Wheat
Start	2538	End	3228
GI	none	Score	64
Exons	2538..2615, 2856..2927, 3010..3228		

Seq. No.	31494	Seq. ID	OJ990619_40.9C03.C13
Gene No.	65185	Strand	-
Start	11754	End	12966
Name	OJ990619_40.9C03.C13.o1.tm	Method	TBLASTX:Maize
Start	5680	End	6085
GI	none	Score	97
Exons	5680..5775, 5687..5776, 5704..6084, 5705..6085		

Seq. No.	31494	Seq. ID	OJ990619_40.9C03.C13
Gene No.	65185	Strand	-
Start	11754	End	12966
Name	OJ990619_40.9C03.C13.o1.ts	Method	TBLASTX:Soybean
Start	5680	End	6112
GI	none	Score	49
Exons	5680..5751, 5699..5746, 5761..6054, 5801..6064, 6047..6112		

Seq. No.	31494	Seq. ID	OJ990619_40.9C03.C13
Gene No.	65185	Strand	-
Start	11754	End	12966
Name	OJ990619_40.9C03.C13.o1.tw	Method	TBLASTX:Wheat
Start	5680	End	6006
GI	none	Score	56
Exons	5680..5745, 5687..5743, 5744..5998, 5758..6006, 5851..6006		

Seq. No.	31494	Seq. ID	OJ990619_40.9C03.C13
Gene No.	65185	Strand	-
Start	11754	End	12966
Name	OJ990619_40.9C03.C13.o1.tc	Method	TBLASTX:Cress
Start	5809	End	6055
GI	none	Score	199
Exons	5809..6054, 5810..6055		

Seq. No.	31494	Seq. ID	OJ990619_40.9C03.C13
Gene No.	65185	Strand	-
Start	11754	End	12966
Name	OJ990619_40.9C03.C13.o4.gs	Method	GENSCAN
Start	11754	End	12966
GI	none	Score	.48
Exons	11754..11768, 12829..12966		

Seq. No.	31495	Seq. ID	OJ990619_40.9C03.C14
Gene No.	65186	Strand	+
Start	489	End	1133
Name	OJ990619_40.9C03.C14.o1.np	Method	AAT/NAP
Start	489	End	1133
GI	2498930	Score	743
Exons	489..552, 720..1133		
GI Descrip.	DORSAL-VENTRAL PATTERNING PROTEIN SOG (SHORT GASTRULATION PROTEIN) gi\|1203794 (U18774) Sog [Drosophila melanogaster]		

Seq. No.	31495	Seq. ID	OJ990619_40.9C03.C14
Gene No.	65186	Strand	+

Start	489	End	1133
Name	OJ990619_40.9C03.C14.o1.gs	Method	GENSCAN
Start	493	End	1114
GI	none	Score	1
Exons	493..552, 720..1114		

Seq. No.	31496	Seq. ID	OJ990619_40.9C03.C18
Gene No.	65187	Strand	-
Start	43	End	541
Name	OJ990619_40.9C03.C18.o1.gs	Method	GENSCAN
Start	43	End	541
GI	none	Score	.68
Exons	43..541		

Seq. No.	31497	Seq. ID	OJ990619_43.9C01.C1
Gene No.	65188	Strand	+
Start	486	End	1132
Name	OJ990619_43.9C01.C1.o1.np	Method	AAT/NAP
Start	486	End	1132
GI	2498930	Score	757
Exons	486..549, 717..1132		
GI Descrip.	DORSAL-VENTRAL PATTERNING PROTEIN SOG (SHORT GASTRULATION PROTEIN) gi\|1203794 (U18774) Sog [Drosophila melanogaster]		

Seq. No.	31498	Seq. ID	OJ990619_43.9C01.C2
Gene No.	65189	Strand	+
Start	1	End	220
Name	OJ990619_43.9C01.C2.o1.np	Method	AAT/NAP
Start	1	End	220
GI	4680179	Score	305
Exons	1..220		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	31498	Seq. ID	OJ990619_43.9C01.C2
Gene No.	65190	Strand	+
Start	778	End	979
Name	OJ990619_43.9C01.C2.o1.tm	Method	TBLASTX:Maize
Start	1	End	219
GI	none	Score	285
Exons	1..219, 1..102, 3..206		

Seq. No.	31498	Seq. ID	OJ990619_43.9C01.C2
Gene No.	65190	Strand	+
Start	778	End	979
Name	OJ990619_43.9C01.C2.o1.tw	Method	TBLASTX:Wheat
Start	1	End	219
GI	none	Score	262
Exons	1..219, 3..218, 148..219		

Seq. No.	31498	Seq. ID	OJ990619_43.9C01.C2
Gene No.	65190	Strand	+
Start	778	End	979
Name	OJ990619_43.9C01.C2.o1.gs	Method	GENSCAN
Start	778	End	979
GI	none	Score	.75
Exons	778..979		

Seq. No.	31499	Seq. ID	OJ990619_43.9C01.C3
Gene No.	65191	Strand	+
Start	1	End	5237
Name	OJ990619_43.9C01.C3.o1.np	Method	AAT/NAP
Start	1	End	5237
GI	4680179	Score	4851
Exons	1..2773, 4477..5237		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	31499	Seq. ID	OJ990619_43.9C01.C3
Gene No.	65191	Strand	+
Start	1	End	5237
Name	OJ990619_43.9C01.C3.o1.gs	Method	GENSCAN
Start	319	End	2682
GI	none	Score	.52
Exons	319..1061, 1539..2682		

Seq. No.	31499	Seq. ID	OJ990619_43.9C01.C3
Gene No.	65192	Strand	-
Start	3208	End	5192
Name	OJ990619_43.9C01.C3.o3.tw	Method	TBLASTX:Wheat
Start	697	End	1179
GI	none	Score	507
Exons	697..1179, 756..1136		

Seq. No.	31499	Seq. ID	OJ990619_43.9C01.C3
Gene No.	65192	Strand	-
Start	3208	End	5192
Name	OJ990619_43.9C01.C3.o5.tm	Method	TBLASTX:Maize
Start	706	End	998
GI	none	Score	315
Exons	706..996, 734..967, 807..998		

Seq. No.	31499	Seq. ID	OJ990619_43.9C01.C3
Gene No.	65192	Strand	-
Start	3208	End	5192
Name	OJ990619_43.9C01.C3.o3.ts	Method	TBLASTX:Soybean
Start	733	End	1047
GI	none	Score	190
Exons	733..1047, 849..1046		

Seq. No.	31499	Seq. ID	OJ990619_43.9C01.C3
Gene No.	65192	Strand	-
Start	3208	End	5192
Name	OJ990619_43.9C01.C3.o4.tm	Method	TBLASTX:Maize
Start	1066	End	1566
GI	none	Score	157
Exons	1066..1245, 1231..1566, 1318..1557		

Seq. No.	31499	Seq. ID	OJ990619_43.9C01.C3
Gene No.	65192	Strand	-
Start	3208	End	5192
Name	OJ990619_43.9C01.C3.o1.ts	Method	TBLASTX:Soybean
Start	1120	End	1515
GI	none	Score	57
Exons	1120..1152, 1120..1152, 1156..1515, 1159..1236, 1163..1297, 1272..1514		

Seq. No.	31499	Seq. ID	OJ990619_43.9C01.C3
Gene No.	65192	Strand	-
Start	3208	End	5192
Name	OJ990619_43.9C01.C3.o5.tw	Method	TBLASTX:Wheat
Start	1228	End	1530
GI	none	Score	383
Exons	1228..1530, 1228..1530		

Seq. No.	31499	Seq. ID	OJ990619_43.9C01.C3
Gene No.	65192	Strand	-
Start	3208	End	5192
Name	OJ990619_43.9C01.C3.o1.tw	Method	TBLASTX:Wheat
Start	1531	End	2040
GI	none	Score	610
Exons	1531..2040, 1563..1949, 1648..1950		

Seq. No.	31499	Seq. ID	OJ990619_43.9C01.C3
Gene No.	65192	Strand	-
Start	3208	End	5192
Name	OJ990619_43.9C01.C3.o4.ts	Method	TBLASTX:Soybean
Start	1540	End	1782
GI	none	Score	183
Exons	1540..1782		

Seq. No.	31499	Seq. ID	OJ990619_43.9C01.C3
Gene No.	65192	Strand	-
Start	3208	End	5192
Name	OJ990619_43.9C01.C3.o2.tm	Method	TBLASTX:Maize
Start	1603	End	1956
GI	none	Score	452
Exons	1603..1956, 1605..1871, 1645..1941		

Seq. No.	31499	Seq. ID	OJ990619_43.9C01.C3
Gene No.	65192	Strand	-
Start	3208	End	5192
Name	OJ990619_43.9C01.C3.o2.tw	Method	TBLASTX:Wheat
Start	2044	End	2523
GI	none	Score	584
Exons	2044..2523, 2062..2517, 2139..2522		

Seq. No.	31499	Seq. ID	OJ990619_43.9C01.C3
Gene No.	65192	Strand	-
Start	3208	End	5192
Name	OJ990619_43.9C01.C3.o1.tc	Method	TBLASTX:Cress
Start	2221	End	2547
GI	none	Score	90
Exons	2221..2403, 2404..2547, 2469..2546		

Seq. No.	31499	Seq. ID	OJ990619_43.9C01.C3
Gene No.	65192	Strand	-
Start	3208	End	5192
Name	OJ990619_43.9C01.C3.o2.ts	Method	TBLASTX:Soybean
Start	2311	End	2572
GI	none	Score	291
Exons	2311..2571, 2316..2417, 2348..2572, 2440..2571		

Seq. No.	31499	Seq. ID	OJ990619_43.9C01.C3
Gene No.	65192	Strand	-
Start	3208	End	5192
Name	OJ990619_43.9C01.C3.o3.tm	Method	TBLASTX:Maize
Start	2371	End	2661
GI	none	Score	387
Exons	2371..2661, 2440..2655, 2472..2657		

Seq. No.	31499	Seq. ID	OJ990619_43.9C01.C3
Gene No.	65192	Strand	-
Start	3208	End	5192
Name	OJ990619_43.9C01.C3.o6.tw	Method	TBLASTX:Wheat
Start	2529	End	4619
GI	none	Score	295
Exons	2529..2771, 2530..2772, 4466..4618, 4470..4619, 4470..4619		

Seq. No.	31499	Seq. ID	OJ990619_43.9C01.C3
Gene No.	65192	Strand	-
Start	3208	End	5192
Name	OJ990619_43.9C01.C3.o1.tm	Method	TBLASTX:Maize
Start	2713	End	5000
GI	none	Score	90
Exons	2713..2772, 4470..4574, 4481..4567, 4572..4670, 4574..4669, 4731..5000, 4739..4999		

Seq. No.	31499	Seq. ID	OJ990619_43.9C01.C3
Gene No.	65192	Strand	-
Start	3208	End	5192
Name	OJ990619_43.9C01.C3.o2.gs	Method	GENSCAN
Start	3208	End	5076
GI	none	Score	.85
Exons	3208..3420, 3474..3677, 3715..3825, 3982..4145, 4505..4580, 4917..5076		

Seq. No.	31499	Seq. ID	OJ990619_43.9C01.C3
Gene No.	65192	Strand	-
Start	3208	End	5192
Name	OJ990619_43.9C01.C3.o4.tw	Method	TBLASTX:Wheat
Start	4770	End	5192
GI	none	Score	398
Exons	4770..5192, 4805..4996		

Seq. No.	31500	Seq. ID	OJ990619_43.9C01.C4
Gene No.	65193	Strand	+
Start	47	End	719
Name	OJ990619_43.9C01.C4.o1.gs	Method	GENSCAN
Start	47	End	719
GI	none	Score	.7
Exons	47..161, 254..330, 423..644, 649..719		

Seq. No.	31500	Seq. ID	OJ990619_43.9C01.C4
Gene No.	65194	Strand	-
Start	1258	End	6765
Name	OJ990619_43.9C01.C4.o2.gs	Method	GENSCAN
Start	1258	End	6765
GI	none	Score	.74
Exons	1258..1266, 1461..1520, 2057..2194, 2328..2771, 2962..3069,		

3081..3365, 3443..3716, 3813..4113, 4248..4514, 4541..5174, 5239..5444, 5607..5838, 5978..6282, 6354..6644, 6729..6765

Seq. No.	31500	Seq. ID	OJ990619_43.9C01.C4
Gene No.	65194	Strand	-
Start	1258	End	6765
Name	OJ990619_43.9C01.C4.o1.np	Method	AAT/NAP
Start	2404	End	6692
GI	5922631	Score	3923
Exons	2404..3217, 3805..4693, 4820..4976, 5019..5562, 5608..5810, 6068..6310, 6568..6692		
GI Descrip.	(AP000492) ESTs C26347(C12145),AU078074(C12145) correspond to a region of the predicted gene.; similar to prpol; Zea mays retrotransposon Cinful-1. (AF049110) [Oryza sativa] gi\|6016864\|dbj\|BAA85207.1\| (AP000570) ESTs C26347(C12145),AU078074(C12145) correspond to a region of the predicted gene.; Similar to prpol; Zea mays retrotransposon Cinful-1. (AF049110) [Oryza sativ		

Seq. No.	31500	Seq. ID	OJ990619_43.9C01.C4
Gene No.	65194	Strand	-
Start	1258	End	6765
Name	OJ990619_43.9C01.C4.o3.tw	Method	TBLASTX:Wheat
Start	2496	End	2807
GI	none	Score	85
Exons	2496..2807, 2511..2798		

Seq. No.	31500	Seq. ID	OJ990619_43.9C01.C4
Gene No.	65194	Strand	-
Start	1258	End	6765
Name	OJ990619_43.9C01.C4.o1.ts	Method	TBLASTX:Soybean
Start	2757	End	3188
GI	none	Score	48
Exons	2757..3188, 2791..2961, 2997..3125, 2998..3141		

Seq. No.	31500	Seq. ID	OJ990619_43.9C01.C4
Gene No.	65194	Strand	-
Start	1258	End	6765
Name	OJ990619_43.9C01.C4.o1.tw	Method	TBLASTX:Wheat
Start	2812	End	3236
GI	none	Score	269
Exons	2812..3192, 2817..3236		

Seq. No.	31500	Seq. ID	OJ990619_43.9C01.C4
Gene No.	65194	Strand	-
Start	1258	End	6765
Name	OJ990619_43.9C01.C4.o1.tm	Method	TBLASTX:Maize
Start	2910	End	3293
GI	none	Score	144
Exons	2910..3293, 2911..3189		

Seq. No.	31500	Seq. ID	OJ990619_43.9C01.C4
Gene No.	65194	Strand	-
Start	1258	End	6765
Name	OJ990619_43.9C01.C4.o6.tw	Method	TBLASTX:Wheat
Start	3237	End	3399
GI	none	Score	66

Exons	3237..3359, 3237..3377, 3238..3378, 3373..3399		
Seq. No.	31500	Seq. ID	OJ990619_43.9C01.C4
Gene No.	65194	Strand	-
Start	1258	End	6765
Name	OJ990619_43.9C01.C4.o2.tm	Method	TBLASTX:Maize
Start	3321	End	3658
GI	none	Score	150
Exons	3321..3365, 3407..3658, 3408..3617		
Seq. No.	31500	Seq. ID	OJ990619_43.9C01.C4
Gene No.	65194	Strand	-
Start	1258	End	6765
Name	OJ990619_43.9C01.C4.o2.tw	Method	TBLASTX:Wheat
Start	3401	End	3787
GI	none	Score	250
Exons	3401..3787, 3411..3767		
Seq. No.	31500	Seq. ID	OJ990619_43.9C01.C4
Gene No.	65194	Strand	-
Start	1258	End	6765
Name	OJ990619_43.9C01.C4.o2.ts	Method	TBLASTX:Soybean
Start	3422	End	3748
GI	none	Score	139
Exons	3422..3517, 3524..3748		
Seq. No.	31500	Seq. ID	OJ990619_43.9C01.C4
Gene No.	65194	Strand	-
Start	1258	End	6765
Name	OJ990619_43.9C01.C4.o4.tw	Method	TBLASTX:Wheat
Start	4008	End	4428
GI	none	Score	75
Exons	4008..4130, 4010..4135, 4141..4191, 4252..4428		
Seq. No.	31500	Seq. ID	OJ990619_43.9C01.C4
Gene No.	65194	Strand	-
Start	1258	End	6765
Name	OJ990619_43.9C01.C4.o3.tm	Method	TBLASTX:Maize
Start	4914	End	5168
GI	none	Score	123
Exons	4914..5168, 4963..5166		
Seq. No.	31500	Seq. ID	OJ990619_43.9C01.C4
Gene No.	65194	Strand	-
Start	1258	End	6765
Name	OJ990619_43.9C01.C4.o5.tw	Method	TBLASTX:Wheat
Start	5013	End	5380
GI	none	Score	59
Exons	5013..5285, 5314..5379, 5318..5380		
Seq. No.	31501	Seq. ID	OJ990619_43.9C01.C5
Gene No.	65195	Strand	+
Start	776	End	1480
Name	OJ990619_43.9C01.C5.o1.gp	Method	AAT/GAP
Start	776	End	1480
GI	67_1.R1084	Score	1221
Exons	776..1480		

GI Descrip.	'4126695/dbj\|BAA36699\| 1.0e-39 (AB016505) prolamin [Oryza sativa]'		
Seq. No.	31501	Seq. ID	OJ990619_43.9C01.C5
Gene No.	65196	Strand	+
Start	3748	End	4283
Name	OJ990619_43.9C01.C5.o2.np	Method	AAT/NAP
Start	3748	End	4283
GI	5852179	Score	454
Exons	3748..3969, 4044..4283		
GI Descrip.	(AL117265) zhb0009.1 [Oryza sativa]		
Seq. No.	31501	Seq. ID	OJ990619_43.9C01.C5
Gene No.	65197	Strand	-
Start	915	End	1385
Name	OJ990619_43.9C01.C5.o1.gs	Method	GENSCAN
Start	915	End	1385
GI	none	Score	.86
Exons	915..1385		
Seq. No.	31501	Seq. ID	OJ990619_43.9C01.C5
Gene No.	65197	Strand	-
Start	915	End	1385
Name	OJ990619_43.9C01.C5.o1.np	Method	AAT/NAP
Start	918	End	1385
GI	4126695	Score	793
Exons	918..1385		
GI Descrip.	(AB016505) prolamin [Oryza sativa]		
Seq. No.	31502	Seq. ID	OJ990619_43.9C01.C6
Gene No.	65198	Strand	+
Start	1	End	2498
Name	OJ990619_43.9C01.C6.o1.np	Method	AAT/NAP
Start	1	End	2498
GI	5295955	Score	795
Exons	1..92, 486..609, 1291..1715, 1795..1833, 1872..2362, 2389..2498		
GI Descrip.	(AB026295) Similar to Epstein-Barr virus (EBV) genome.(V01555) [Oryza sativa]		
Seq. No.	31502	Seq. ID	OJ990619_43.9C01.C6
Gene No.	65198	Strand	+
Start	1	End	2498
Name	OJ990619_43.9C01.C6.o1.gs	Method	GENSCAN
Start	495	End	1922
GI	none	Score	.79
Exons	495..609, 1296..1670, 1724..1922		
Seq. No.	31502	Seq. ID	OJ990619_43.9C01.C6
Gene No.	65199	Strand	-
Start	3235	End	3242
Name	OJ990619_43.9C01.C6.o2.gs	Method	GENSCAN
Start	3235	End	3242
GI	none	Score	.46
Exons	3235..3242		
Seq. No.	31503	Seq. ID	OJ990619_43.9C01.C7
Gene No.	65200	Strand	+

Start	1	End	4249
Name	OJ990619_43.9C01.C7.o1.np	Method	AAT/NAP
Start	1	End	1158
GI	4539658	Score	180
Exons	1..27, 739..863, 981..1158		
GI Descrip.	(AF061282) serine carboxypeptidase-like protein [Sorghum bicolor]		

Seq. No.	31503	Seq. ID	OJ990619_43.9C01.C7
Gene No.	65200	Strand	+
Start	1	End	4249
Name	OJ990619_43.9C01.C7.o1.gs	Method	GENSCAN
Start	1029	End	4249
GI	none	Score	.83
Exons	1029..1163, 2404..2469, 3245..3650, 3659..3799, 4167..4249		

Seq. No.	31503	Seq. ID	OJ990619_43.9C01.C7
Gene No.	65201	Strand	-
Start	2215	End	4154
Name	OJ990619_43.9C01.C7.o2.np	Method	AAT/NAP
Start	2215	End	4154
GI	6063554	Score	365
Exons	2215..2385, 3010..3041, 3383..3582, 3845..4154		
GI Descrip.	(AP000615) ESTs AU075609(C63344),C71850(E0464),C98611(E0464) correspond to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	31503	Seq. ID	OJ990619_43.9C01.C7
Gene No.	65202	Strand	-
Start	5630	End	6398
Name	OJ990619_43.9C01.C7.o2.gs	Method	GENSCAN
Start	5630	End	6398
GI	none	Score	.59
Exons	5630..6398		

Seq. No.	31504	Seq. ID	OJ990619_43.9C01.C8
Gene No.	65203	Strand	+
Start	6784	End	7201
Name	OJ990619_43.9C01.C8.o1.gp	Method	AAT/GAP
Start	6784	End	7201
GI	LIB3431-028-P1-N1-A10	Score	836
Exons	6784..7201		
GI Descrip.	'4680203/gb\|AAD27566.1\|AF114171_7 3.0e-33 (AF114171) TNP2-like protein [Sorghum bicolor]'		

Seq. No.	31504	Seq. ID	OJ990619_43.9C01.C8
Gene No.	65204	Strand	+
Start	11166	End	20056
Name	OJ990619_43.9C01.C8.o2.gs	Method	GENSCAN
Start	11166	End	20056
GI	none	Score	.81
Exons	11166..11227, 11957..12747, 12817..14980, 15077..16157, 16356..16958, 17850..18003, 18508..18610, 18812..18936, 19752..20056		

Seq. No.	31504	Seq. ID	OJ990619_43.9C01.C8
Gene No.	65204	Strand	+

Start	11166	End	20056
Name	OJ990619_43.9C01.C8.o4.np	Method	AAT/NAP
Start	12031	End	19596
GI	5922631	Score	4943
Exons	12031..12154, 12413..12657, 12916..13118, 13164..13741, 13784..13935, 14062..14988, 15595..16890, 19487..19596		
GI Descrip.	(AP000492) ESTs C26347(C12145),AU078074(C12145) correspond to a region of the predicted gene.; similar to prpol; Zea mays retrotransposon Cinful-1. (AF049110) [Oryza sativa] gi\|6016864\|dbj\|BAA85207.1\| (AP000570) ESTs C26347(C12145),AU078074(C12145) correspond to a region of the predicted gene.; Similar to prpol; Zea mays retrotransposon Cinful-1. (AF049110) [Oryza sativ		

Seq. No.	31504	Seq. ID	OJ990619_43.9C01.C8
Gene No.	65204	Strand	+
Start	11166	End	20056
Name	OJ990619_43.9C01.C8.o5.np	Method	AAT/NAP
Start	16106	End	18047
GI	4680186	Score	219
Exons	16106..16176, 17609..17698, 17825..18047		
GI Descrip.	(AF111709) unknown [Oryza sativa subsp. indica]		

Seq. No.	31504	Seq. ID	OJ990619_43.9C01.C8
Gene No.	65204	Strand	+
Start	11166	End	20056
Name	OJ990619_43.9C01.C8.o5.gp	Method	AAT/GAP
Start	18044	End	18301
GI	61605_3.R1084	Score	447
Exons	18044..18301		
GI Descrip.	'1402920/emb\|CAA66965\| 2.0e-20 (X98321) peroxidase [Arabidopsis thaliana]'		

Seq. No.	31504	Seq. ID	OJ990619_43.9C01.C8
Gene No.	65204	Strand	+
Start	11166	End	20056
Name	OJ990619_43.9C01.C8.o7.gp	Method	AAT/GAP
Start	18747	End	19270
GI	uC-osf1M202048c12b1	Score	704
Exons	18747..19270		
GI Descrip.	'5257255/dbj\|AP000364.1\|AP000364 2.0e-16 Oryza sativa genomic DNA, chromosome 8, clone:P0026E07'		

Seq. No.	31504	Seq. ID	OJ990619_43.9C01.C8
Gene No.	65205	Strand	-
Start	474	End	11476
Name	OJ990619_43.9C01.C8.o1.np	Method	AAT/NAP
Start	451	End	4147
GI	4680204	Score	1042
Exons	451..587, 938..1157, 1254..1427, 1537..2636, 2711..4147		
GI Descrip.	(AF114171) hypothetical protein [Sorghum bicolor]		

Seq. No.	31504	Seq. ID	OJ990619_43.9C01.C8
Gene No.	65205	Strand	-
Start	474	End	11476
Name	OJ990619_43.9C01.C8.o1.gs	Method	GENSCAN
Start	474	End	10152

GI	none	Score	.52
Exons	474..617, 697..795, 890..962, 1047..1157, 1254..1427, 1537..2222, 2224..2369, 2495..2636, 2711..2830, 2876..3778, 3797..4132, 5039..5209, 5236..5511, 5598..5696, 6871..7410, 7732..8123, 8379..10152		

Seq. No.	31504	Seq. ID	OJ990619_43.9C01.C8
Gene No.	65205	Strand	-
Start	474	End	11476
Name	OJ990619_43.9C01.C8.o2.gp	Method	AAT/GAP
Start	6057	End	10148
GI	342_1.R1084	Score	6624
Exons	6057..6430, 6540..6637, 6720..6739, 6775..10148		
GI Descrip.	'4574406/gb\|AAD24042.1\| 0.0e+00 (AF121139) RIM2 protein [Oryza sativa]'		

Seq. No.	31504	Seq. ID	OJ990619_43.9C01.C8
Gene No.	65205	Strand	-
Start	474	End	11476
Name	OJ990619_43.9C01.C8.o3.gp	Method	AAT/GAP
Start	6059	End	10148
GI	342_1.R1084	Score	6620
Exons	6059..6430, 6540..6637, 6720..6739, 6775..10148		
GI Descrip.	'4574406/gb\|AAD24042.1\| 0.0e+00 (AF121139) RIM2 protein [Oryza sativa]'		

Seq. No.	31504	Seq. ID	OJ990619_43.9C01.C8
Gene No.	65205	Strand	-
Start	474	End	11476
Name	OJ990619_43.9C01.C8.o3.np	Method	AAT/NAP
Start	6841	End	11476
GI	4680203	Score	3304
Exons	6841..7818, 8095..8325, 8479..10152, 11431..11476		
GI Descrip.	(AF114171) TNP2-like protein [Sorghum bicolor]		

Seq. No.	31504	Seq. ID	OJ990619_43.9C01.C8
Gene No.	65206	Strand	-
Start	17602	End	17983
Name	OJ990619_43.9C01.C8.o4.gp	Method	AAT/GAP
Start	17602	End	17983
GI	uC-osflcyp033a04b1	Score	647
Exons	17602..17983		
GI Descrip.	'6016845/dbj\|AP000570.1\|AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		

Seq. No.	31504	Seq. ID	OJ990619_43.9C01.C8
Gene No.	65207	Strand	-
Start	18667	End	22122
Name	OJ990619_43.9C01.C8.o12.tw	Method	TBLASTX:Wheat
Start	1088	End	1610
GI	none	Score	61
Exons	1088..1159, 1259..1441, 1266..1391, 1530..1610		

Seq. No.	31504	Seq. ID	OJ990619_43.9C01.C8
Gene No.	65207	Strand	-
Start	18667	End	22122
Name	OJ990619_43.9C01.C8.o9.tw	Method	TBLASTX:Wheat

Start	3101	End	3504
GI	none	Score	48
Exons	3101..3196, 3101..3271, 3234..3401, 3266..3502, 3353..3502, 3364..3504, 3394..3504		

Seq. No.	31504	Seq. ID	OJ990619_43.9C01.C8
Gene No.	65207	Strand	-
Start	18667	End	22122
Name	OJ990619_43.9C01.C8.o1.tw	Method	TBLASTX:Wheat
Start	6895	End	8212
GI	none	Score	132
Exons	6895..6987, 6976..7056, 7069..7209, 7070..7210, 7189..7248, 7255..7299, 7256..7303, 7294..8211, 7310..8212, 7487..8212		

Seq. No.	31504	Seq. ID	OJ990619_43.9C01.C8
Gene No.	65207	Strand	-
Start	18667	End	22122
Name	OJ990619_43.9C01.C8.o2.tc	Method	TBLASTX:Cress
Start	7477	End	7928
GI	none	Score	92
Exons	7477..7626, 7477..7920, 7481..7924, 7487..7924, 7746..7928		

Seq. No.	31504	Seq. ID	OJ990619_43.9C01.C8
Gene No.	65207	Strand	-
Start	18667	End	22122
Name	OJ990619_43.9C01.C8.o4.tm	Method	TBLASTX:Maize
Start	7855	End	8169
GI	none	Score	137
Exons	7855..8169, 7883..8158		

Seq. No.	31504	Seq. ID	OJ990619_43.9C01.C8
Gene No.	65207	Strand	-
Start	18667	End	22122
Name	OJ990619_43.9C01.C8.o6.tw	Method	TBLASTX:Wheat
Start	8213	End	8623
GI	none	Score	81
Exons	8213..8299, 8215..8298, 8332..8550, 8372..8554, 8560..8622, 8573..8623		

Seq. No.	31504	Seq. ID	OJ990619_43.9C01.C8
Gene No.	65207	Strand	-
Start	18667	End	22122
Name	OJ990619_43.9C01.C8.o4.ts	Method	TBLASTX:Soybean
Start	8656	End	8898
GI	none	Score	211
Exons	8656..8898		

Seq. No.	31504	Seq. ID	OJ990619_43.9C01.C8
Gene No.	65207	Strand	-
Start	18667	End	22122
Name	OJ990619_43.9C01.C8.o2.tm	Method	TBLASTX:Maize
Start	8728	End	9186
GI	none	Score	96
Exons	8728..8922, 8932..9186, 8932..9174		

Seq. No.	31504	Seq. ID	OJ990619_43.9C01.C8
Gene No.	65207	Strand	-

Start	18667	End	22122
Name	OJ990619_43.9C01.C8.o2.tw	Method	TBLASTX:Wheat
Start	8762	End	9231
GI	none	Score	179
Exons	8762..8968, 8762..8971, 8767..8970, 8767..8991, 8971..9069, 9026..9064, 9073..9177, 9077..9166, 9178..9231, 9179..9223		

Seq. No.	31504	Seq. ID	OJ990619_43.9C01.C8
Gene No.	65207	Strand	-
Start	18667	End	22122
Name	OJ990619_43.9C01.C8.o1.tc	Method	TBLASTX:Cress
Start	9019	End	9367
GI	none	Score	88
Exons	9019..9360, 9038..9175, 9215..9367		

Seq. No.	31504	Seq. ID	OJ990619_43.9C01.C8
Gene No.	65207	Strand	-
Start	18667	End	22122
Name	OJ990619_43.9C01.C8.o1.ts	Method	TBLASTX:Soybean
Start	9100	End	9529
GI	none	Score	116
Exons	9100..9396, 9118..9342, 9391..9453, 9446..9529, 9454..9528		

Seq. No.	31504	Seq. ID	OJ990619_43.9C01.C8
Gene No.	65207	Strand	-
Start	18667	End	22122
Name	OJ990619_43.9C01.C8.o7.tw	Method	TBLASTX:Wheat
Start	9450	End	9801
GI	none	Score	187
Exons	9450..9701, 9460..9711, 9461..9703, 9694..9801		

Seq. No.	31504	Seq. ID	OJ990619_43.9C01.C8
Gene No.	65207	Strand	-
Start	18667	End	22122
Name	OJ990619_43.9C01.C8.o10.tw	Method	TBLASTX:Wheat
Start	13346	End	13748
GI	none	Score	291
Exons	13346..13615, 13347..13748		

Seq. No.	31504	Seq. ID	OJ990619_43.9C01.C8
Gene No.	65207	Strand	-
Start	18667	End	22122
Name	OJ990619_43.9C01.C8.o3.tw	Method	TBLASTX:Wheat
Start	14328	End	15125
GI	none	Score	146
Exons	14328..14504, 14549..14785, 14553..14783, 14832..15125, 14960..15121		

Seq. No.	31504	Seq. ID	OJ990619_43.9C01.C8
Gene No.	65207	Strand	-
Start	18667	End	22122
Name	OJ990619_43.9C01.C8.o5.ts	Method	TBLASTX:Soybean
Start	15054	End	15410
GI	none	Score	134
Exons	15054..15269, 15276..15410		

Seq. No.	31504	Seq. ID	OJ990619_43.9C01.C8

Gene No.	65207	Strand	-
Start	18667	End	22122
Name	OJ990619_43.9C01.C8.o11.tw	Method	TBLASTX:Wheat
Start	15126	End	15359
GI	none	Score	266
Exons	15126..15359, 15146..15358, 15147..15359		

Seq. No.	31504	Seq. ID	OJ990619_43.9C01.C8
Gene No.	65207	Strand	-
Start	18667	End	22122
Name	OJ990619_43.9C01.C8.o1.tm	Method	TBLASTX:Maize
Start	15135	End	15491
GI	none	Score	367
Exons	15135..15491, 15176..15481		

Seq. No.	31504	Seq. ID	OJ990619_43.9C01.C8
Gene No.	65207	Strand	-
Start	18667	End	22122
Name	OJ990619_43.9C01.C8.o4.tw	Method	TBLASTX:Wheat
Start	15360	End	15779
GI	none	Score	461
Exons	15360..15779, 15362..15778		

Seq. No.	31504	Seq. ID	OJ990619_43.9C01.C8
Gene No.	65207	Strand	-
Start	18667	End	22122
Name	OJ990619_43.9C01.C8.o3.tm	Method	TBLASTX:Maize
Start	15519	End	15902
GI	none	Score	332
Exons	15519..15902, 15623..15901		

Seq. No.	31504	Seq. ID	OJ990619_43.9C01.C8
Gene No.	65207	Strand	-
Start	18667	End	22122
Name	OJ990619_43.9C01.C8.o2.ts	Method	TBLASTX:Soybean
Start	15624	End	16022
GI	none	Score	306
Exons	15624..16022, 15671..15814, 15851..16021		

Seq. No.	31504	Seq. ID	OJ990619_43.9C01.C8
Gene No.	65207	Strand	-
Start	18667	End	22122
Name	OJ990619_43.9C01.C8.o8.tw	Method	TBLASTX:Wheat
Start	15824	End	16253
GI	none	Score	344
Exons	15824..16033, 15825..16253, 16118..16252		

Seq. No.	31504	Seq. ID	OJ990619_43.9C01.C8
Gene No.	65207	Strand	-
Start	18667	End	22122
Name	OJ990619_43.9C01.C8.o3.ts	Method	TBLASTX:Soybean
Start	16281	End	16669
GI	none	Score	84
Exons	16281..16385, 16289..16375, 16425..16667, 16430..16669		

Seq. No.	31504	Seq. ID	OJ990619_43.9C01.C8
Gene No.	65207	Strand	-

Start	18667	End	22122
Name	OJ990619_43.9C01.C8.o5.tw	Method	TBLASTX:Wheat
Start	16290	End	16712
GI	none	Score	397
Exons	16290..16712, 16292..16636		

Seq. No.	31504	Seq. ID	OJ990619_43.9C01.C8
Gene No.	65207	Strand	-
Start	18667	End	22122
Name	OJ990619_43.9C01.C8.o5.tm	Method	TBLASTX:Maize
Start	16344	End	16616
GI	none	Score	117
Exons	16344..16514, 16518..16616		

Seq. No.	31504	Seq. ID	OJ990619_43.9C01.C8
Gene No.	65207	Strand	-
Start	18667	End	22122
Name	OJ990619_43.9C01.C8.o6.np	Method	AAT/NAP
Start	18667	End	22122
GI	6063554	Score	374
Exons	18667..18841, 19478..19505, 19843..20084, 20195..20484, 22046..22122		
GI Descrip.	(AP000615) ESTs AU075609(C63344),C71850(E0464),C98611(E0464) correspond to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	31504	Seq. ID	OJ990619_43.9C01.C8
Gene No.	65207	Strand	-
Start	18667	End	22122
Name	OJ990619_43.9C01.C8.o3.gs	Method	GENSCAN
Start	21434	End	21538
GI	none	Score	.63
Exons	21434..21538		

Seq. No.	31504	Seq. ID	OJ990619_43.9C01.C8
Gene No.	65207	Strand	-
Start	18667	End	22122
Name	OJ990619_43.9C01.C8.o7.np	Method	AAT/NAP
Start	21437	End	22122
GI	6907087	Score	163
Exons	21437..21538, 22077..22122		
GI Descrip.	(AP001129) ESTs C72771(E2215),AU082313(E2215) correspond to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	31505	Seq. ID	OJ990619_43.9C01.C9
Gene No.	65208	Strand	+
Start	1	End	2631
Name	OJ990619_43.9C01.C9.o2.np	Method	AAT/NAP
Start	1	End	2628
GI	5902445	Score	1997
Exons	1..23, 1353..2628		
GI Descrip.	(AB030283) GAG-POL precursor [Oryza sativa]		

Seq. No.	31505	Seq. ID	OJ990619_43.9C01.C9
Gene No.	65208	Strand	+
Start	1	End	2631

Name	OJ990619_43.9C01.C9.o1.gs	Method	GENSCAN
Start	4	End	2631
GI	none	Score	.95
Exons	4..493, 1316..1699, 1850..2631		

Seq. No.	31505	Seq. ID	OJ990619_43.9C01.C9
Gene No.	65209	Strand	-
Start	1	End	683
Name	OJ990619_43.9C01.C9.o1.np	Method	AAT/NAP
Start	1	End	683
GI	6907087	Score	562
Exons	1..268, 313..683		
GI Descrip.	(AP001129) ESTs C72771(E2215),AU082313(E2215) correspond to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	31505	Seq. ID	OJ990619_43.9C01.C9
Gene No.	65210	Strand	-
Start	2968	End	9154
Name	OJ990619_43.9C01.C9.o1.tm	Method	TBLASTX:Maize
Start	1498	End	1829
GI	none	Score	419
Exons	1498..1821, 1521..1829		

Seq. No.	31505	Seq. ID	OJ990619_43.9C01.C9
Gene No.	65210	Strand	-
Start	2968	End	9154
Name	OJ990619_43.9C01.C9.o2.tw	Method	TBLASTX:Wheat
Start	1504	End	1892
GI	none	Score	411
Exons	1504..1890, 1504..1659, 1548..1892		

Seq. No.	31505	Seq. ID	OJ990619_43.9C01.C9
Gene No.	65210	Strand	-
Start	2968	End	9154
Name	OJ990619_43.9C01.C9.o1.tw	Method	TBLASTX:Wheat
Start	2005	End	2619
GI	none	Score	352
Exons	2005..2496, 2025..2111, 2160..2306, 2482..2619		

Seq. No.	31505	Seq. ID	OJ990619_43.9C01.C9
Gene No.	65210	Strand	-
Start	2968	End	9154
Name	OJ990619_43.9C01.C9.o2.tm	Method	TBLASTX:Maize
Start	2326	End	2580
GI	none	Score	155
Exons	2326..2499, 2445..2498, 2478..2579, 2479..2580		

Seq. No.	31505	Seq. ID	OJ990619_43.9C01.C9
Gene No.	65210	Strand	-
Start	2968	End	9154
Name	OJ990619_43.9C01.C9.o2.gs	Method	GENSCAN
Start	2968	End	9103
GI	none	Score	.75
Exons	2968..3419, 3493..3606, 3669..3858, 3933..4016, 4198..4332, 4364..4556, 4639..4928, 5013..5347, 5513..5923, 6253..6314, 9045..9103		

Seq. No.	31505	Seq. ID	OJ990619_43.9C01.C9
Gene No.	65210	Strand	-
Start	2968	End	9154
Name	OJ990619_43.9C01.C9.o3.np	Method	AAT/NAP
Start	2980	End	5897
GI	6691716	Score	2532
Exons	2980..3419, 3493..3606, 3756..3858, 3933..4120, 4198..4379, 4456..4556, 4639..4813, 5009..5897		
GI Descrip.	(AP000492) hypothetical protein [Oryza sativa] gi\|6691717\|dbj\|BAA89397.1\| (AP000570) hypothetical protein [Oryza sativa]		

Seq. No.	31505	Seq. ID	OJ990619_43.9C01.C9
Gene No.	65210	Strand	-
Start	2968	End	9154
Name	OJ990619_43.9C01.C9.o3.tw	Method	TBLASTX:Wheat
Start	5487	End	5777
GI	none	Score	190
Exons	5487..5777		

Seq. No.	31505	Seq. ID	OJ990619_43.9C01.C9
Gene No.	65210	Strand	-
Start	2968	End	9154
Name	OJ990619_43.9C01.C9.o3.tm	Method	TBLASTX:Maize
Start	8649	End	9154
GI	none	Score	58
Exons	8649..8744, 8649..8777, 8683..8844, 8722..8847, 8853..9092, 8855..9100, 8855..9154		

Seq. No.	31506	Seq. ID	OJ990619_43.9C01.C10
Gene No.	65211	Strand	+
Start	1	End	1251
Name	OJ990619_43.9C01.C10.o1.np	Method	AAT/NAP
Start	1	End	1248
GI	4680179	Score	1932
Exons	1..1248		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	31506	Seq. ID	OJ990619_43.9C01.C10
Gene No.	65211	Strand	+
Start	1	End	1251
Name	OJ990619_43.9C01.C10.o1.gs	Method	GENSCAN
Start	10	End	1251
GI	none	Score	.57
Exons	10..1251		

Seq. No.	31506	Seq. ID	OJ990619_43.9C01.C10
Gene No.	65212	Strand	+
Start	1753	End	5505
Name	OJ990619_43.9C01.C10.o2.gs	Method	GENSCAN
Start	1753	End	5503
GI	none	Score	.57
Exons	1753..1982, 1987..2238, 3467..3527, 4709..5503		

Seq. No.	31506	Seq. ID	OJ990619_43.9C01.C10
Gene No.	65212	Strand	+

Start	1753	End	5505
Name	OJ990619_43.9C01.C10.o3.np	Method	AAT/NAP
Start	4709	End	5505
GI	4512231	Score	1272
Exons	4709..5505		
GI Descrip.	(AB014741) ORF0 protein [Oryza sativa]		

Seq. No.	31506	Seq. ID	OJ990619_43.9C01.C10
Gene No.	65213	Strand	+
Start	5776	End	8870
Name	OJ990619_43.9C01.C10.o4.np	Method	AAT/NAP
Start	5732	End	8870
GI	4680179	Score	3553
Exons	5732..6789, 6817..8870		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	31506	Seq. ID	OJ990619_43.9C01.C10
Gene No.	65213	Strand	+
Start	5776	End	8870
Name	OJ990619_43.9C01.C10.o3.gs	Method	GENSCAN
Start	5776	End	8860
GI	none	Score	.98
Exons	5776..8860		

Seq. No.	31506	Seq. ID	OJ990619_43.9C01.C10
Gene No.	65214	Strand	-
Start	1959	End	8868
Name	OJ990619_43.9C01.C10.o5.tw	Method	TBLASTX:Wheat
Start	1	End	8868
GI	none	Score	359
Exons	1..237, 3..233, 4..237, 8647..8868		

Seq. No.	31506	Seq. ID	OJ990619_43.9C01.C10
Gene No.	65214	Strand	-
Start	1959	End	8868
Name	OJ990619_43.9C01.C10.o2.ts	Method	TBLASTX:Soybean
Start	25	End	285
GI	none	Score	295
Exons	25..285, 36..284		

Seq. No.	31506	Seq. ID	OJ990619_43.9C01.C10
Gene No.	65214	Strand	-
Start	1959	End	8868
Name	OJ990619_43.9C01.C10.o3.tm	Method	TBLASTX:Maize
Start	84	End	375
GI	none	Score	149
Exons	84..371, 84..371, 85..375, 217..372		

Seq. No.	31506	Seq. ID	OJ990619_43.9C01.C10
Gene No.	65214	Strand	-
Start	1959	End	8868
Name	OJ990619_43.9C01.C10.o1.tw	Method	TBLASTX:Wheat
Start	244	End	870
GI	none	Score	705
Exons	244..870, 300..752, 301..861, 810..869		

Seq. No.	31506	Seq. ID	OJ990619_43.9C01.C10

Gene No.	65214	Strand	-
Start	1959	End	8868
Name	OJ990619_43.9C01.C10.o1.tm	Method	TBLASTX:Maize
Start	423	End	1008
GI	none	Score	229
Exons	423..578, 424..585, 488..580, 582..752, 583..1008, 742..987, 810..1007		

Seq. No.	31506	Seq. ID	OJ990619_43.9C01.C10
Gene No.	65214	Strand	-
Start	1959	End	8868
Name	OJ990619_43.9C01.C10.o7.tw	Method	TBLASTX:Wheat
Start	870	End	1203
GI	none	Score	309
Exons	870..1151, 871..1203, 1021..1152		

Seq. No.	31506	Seq. ID	OJ990619_43.9C01.C10
Gene No.	65214	Strand	-
Start	1959	End	8868
Name	OJ990619_43.9C01.C10.o2.np	Method	AAT/NAP
Start	1959	End	3309
GI	5852179	Score	241
Exons	1959..2184, 2258..2463, 3288..3309		
GI Descrip.	(AL117265) zhb0009.1 [Oryza sativa]		

Seq. No.	31506	Seq. ID	OJ990619_43.9C01.C10
Gene No.	65214	Strand	-
Start	1959	End	8868
Name	OJ990619_43.9C01.C10.o9.tw	Method	TBLASTX:Wheat
Start	5940	End	6138
GI	none	Score	213
Exons	5940..6137, 5941..6138		

Seq. No.	31506	Seq. ID	OJ990619_43.9C01.C10
Gene No.	65214	Strand	-
Start	1959	End	8868
Name	OJ990619_43.9C01.C10.o6.tw	Method	TBLASTX:Wheat
Start	6187	End	6540
GI	none	Score	319
Exons	6187..6384, 6190..6540		

Seq. No.	31506	Seq. ID	OJ990619_43.9C01.C10
Gene No.	65214	Strand	-
Start	1959	End	8868
Name	OJ990619_43.9C01.C10.o6.tm	Method	TBLASTX:Maize
Start	6190	End	6495
GI	none	Score	257
Exons	6190..6495, 6216..6347		

Seq. No.	31506	Seq. ID	OJ990619_43.9C01.C10
Gene No.	65214	Strand	-
Start	1959	End	8868
Name	OJ990619_43.9C01.C10.o8.tw	Method	TBLASTX:Wheat
Start	6874	End	7227
GI	none	Score	235
Exons	6874..7227		

Seq. No.	31506	Seq. ID	OJ990619_43.9C01.C10
Gene No.	65214	Strand	-
Start	1959	End	8868
Name	OJ990619_43.9C01.C10.o3.tw	Method	TBLASTX:Wheat
Start	7359	End	7842
GI	none	Score	515
Exons	7359..7661, 7360..7842, 7471..7839		

Seq. No.	31506	Seq. ID	OJ990619_43.9C01.C10
Gene No.	65214	Strand	-
Start	1959	End	8868
Name	OJ990619_43.9C01.C10.o4.ts	Method	TBLASTX:Soybean
Start	7396	End	7710
GI	none	Score	184
Exons	7396..7710		

Seq. No.	31506	Seq. ID	OJ990619_43.9C01.C10
Gene No.	65214	Strand	-
Start	1959	End	8868
Name	OJ990619_43.9C01.C10.o4.tm	Method	TBLASTX:Maize
Start	7425	End	7872
GI	none	Score	358
Exons	7425..7658, 7429..7872		

Seq. No.	31506	Seq. ID	OJ990619_43.9C01.C10
Gene No.	65214	Strand	-
Start	1959	End	8868
Name	OJ990619_43.9C01.C10.o1.ts	Method	TBLASTX:Soybean
Start	7782	End	8178
GI	none	Score	39
Exons	7782..7814, 7783..7815, 7783..7815, 7819..7872, 7821..7862, 7827..7982, 7927..8178, 7935..8072		

Seq. No.	31506	Seq. ID	OJ990619_43.9C01.C10
Gene No.	65214	Strand	-
Start	1959	End	8868
Name	OJ990619_43.9C01.C10.o5.tm	Method	TBLASTX:Maize
Start	7927	End	8259
GI	none	Score	305
Exons	7927..8259, 7980..8258		

Seq. No.	31506	Seq. ID	OJ990619_43.9C01.C10
Gene No.	65214	Strand	-
Start	1959	End	8868
Name	OJ990619_43.9C01.C10.o4.tw	Method	TBLASTX:Wheat
Start	7930	End	8193
GI	none	Score	367
Exons	7930..8193, 7932..8192		

Seq. No.	31506	Seq. ID	OJ990619_43.9C01.C10
Gene No.	65214	Strand	-
Start	1959	End	8868
Name	OJ990619_43.9C01.C10.o2.tw	Method	TBLASTX:Wheat
Start	8194	End	8619
GI	none	Score	601
Exons	8194..8619, 8196..8612, 8269..8619		

Seq. No.	31506	Seq. ID	OJ990619_43.9C01.C10
Gene No.	65214	Strand	-
Start	1959	End	8868
Name	OJ990619_43.9C01.C10.o3.ts	Method	TBLASTX:Soybean
Start	8200	End	8448
GI	none	Score	203
Exons	8200..8448		

Seq. No.	31506	Seq. ID	OJ990619_43.9C01.C10
Gene No.	65214	Strand	-
Start	1959	End	8868
Name	OJ990619_43.9C01.C10.o2.tm	Method	TBLASTX:Maize
Start	8266	End	8619
GI	none	Score	461
Exons	8266..8619, 8271..8612		

Seq. No.	31507	Seq. ID	OJ990619_43.9C01.C12
Gene No.	65215	Strand	-
Start	1219	End	1310
Name	OJ990619_43.9C01.C12.o1.gp	Method	AAT/GAP
Start	1219	End	1310
GI	21474_1.R1084	Score	153
Exons	1219..1310		
GI Descrip.	'3894159 2.0e-10 (AC005312) hypothetical protein [Arabidopsis thaliana]'		

Seq. No.	31508	Seq. ID	OJ990619_43.9C01.C13
Gene No.	65216	Strand	-
Start	145	End	317
Name	OJ990619_43.9C01.C13.o1.np	Method	AAT/NAP
Start	145	End	317
GI	6063554	Score	89
Exons	145..317		
GI Descrip.	(AP000615) ESTs AU075609(C63344),C71850(E0464),C98611(E0464) correspond to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	31509	Seq. ID	OJ990619_43.9C01.C14
Gene No.	65217	Strand	+
Start	282	End	380
Name	OJ990619_43.9C01.C14.o1.gs	Method	GENSCAN
Start	282	End	380
GI	none	Score	.62
Exons	282..380		

Seq. No.	31510	Seq. ID	OJ990619_43.9C01.C15
Gene No.	65218	Strand	-
Start	1	End	852
Name	OJ990619_43.9C01.C15.o1.np	Method	AAT/NAP
Start	1	End	852
GI	6539581	Score	425
Exons	1..852		
GI Descrip.	(AP000837) Similar to Arabidopsis thaliana DNA chromosome 4, BAC clone F20D10; hypothetical protein (AL035538) [Oryza sativa]		

Seq. No.	31510	Seq. ID	OJ990619_43.9C01.C15
Gene No.	65218	Strand	-

Start	1	End	852
Name	OJ990619_43.9C01.C15.o1.tm	Method	TBLASTX:Maize
Start	303	End	812
GI	none	Score	70
Exons	303..542, 579..812, 598..804		

Seq. No.	31510	Seq. ID	OJ990619_43.9C01.C15
Gene No.	65218	Strand	-
Start	1	End	852
Name	OJ990619_43.9C01.C15.o1.tw	Method	TBLASTX:Wheat
Start	342	End	779
GI	none	Score	158
Exons	342..560, 344..562, 597..779		

Seq. No.	31510	Seq. ID	OJ990619_43.9C01.C15
Gene No.	65218	Strand	-
Start	1	End	852
Name	OJ990619_43.9C01.C15.o1.ts	Method	TBLASTX:Soybean
Start	369	End	812
GI	none	Score	37
Exons	369..812, 411..434, 504..812		

Seq. No.	31511	Seq. ID	OJ990619_43.9C01.C16
Gene No.	65219	Strand	+
Start	1	End	810
Name	OJ990619_43.9C01.C16.o1.np	Method	AAT/NAP
Start	1	End	810
GI	2943742	Score	141
Exons	1..104, 528..810		
GI Descrip.	(AB002266) XA1 [Oryza sativa]		

Seq. No.	31511	Seq. ID	OJ990619_43.9C01.C16
Gene No.	65219	Strand	+
Start	1	End	810
Name	OJ990619_43.9C01.C16.o1.gs	Method	GENSCAN
Start	190	End	809
GI	none	Score	.7
Exons	190..809		

Seq. No.	31511	Seq. ID	OJ990619_43.9C01.C16
Gene No.	65219	Strand	+
Start	1	End	810
Name	OJ990619_43.9C01.C16.o1.tm	Method	TBLASTX:Maize
Start	352	End	729
GI	none	Score	84
Exons	352..483, 358..480, 483..644,	484..729, 610..717	

Seq. No.	31512	Seq. ID	OJ990619_43.9C01.C21
Gene No.	65220	Strand	+
Start	78	End	169
Name	OJ990619_43.9C01.C21.o1.gp	Method	AAT/GAP
Start	78	End	169
GI	2798689	Score	111
Exons	78..169		

Seq. No.	31513	Seq. ID	OJ990619_43.9C01.C22
Gene No.	65221	Strand	-

Start	47	End	360
Name	OJ990619_43.9C01.C22.o1.gp	Method	AAT/GAP
Start	47	End	360
GI	none	Score	597
Exons	47..360		

Seq. No.	31514	Seq. ID	OJ990619_43.9C01.C23
Gene No.	65222	Strand	+
Start	89	End	472
Name	OJ990619_43.9C01.C23.o1.gs	Method	GENSCAN
Start	89	End	444
GI	none	Score	.57
Exons	89..155, 171..369, 375..444		

Seq. No.	31514	Seq. ID	OJ990619_43.9C01.C23
Gene No.	65222	Strand	+
Start	89	End	472
Name	OJ990619_43.9C01.C23.o1.np	Method	AAT/NAP
Start	192	End	472
GI	4680179	Score	117
Exons	192..328, 362..472		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	31515	Seq. ID	OJ990619_43.9C01.C26
Gene No.	65223	Strand	-
Start	196	End	568
Name	OJ990619_43.9C01.C26.o1.tm	Method	TBLASTX:Maize
Start	41	End	480
GI	none	Score	56
Exons	41..142, 93..161, 131..478, 143..478, 291..479, 292..480		

Seq. No.	31515	Seq. ID	OJ990619_43.9C01.C26
Gene No.	65223	Strand	-
Start	196	End	568
Name	OJ990619_43.9C01.C26.o1.gs	Method	GENSCAN
Start	196	End	568
GI	none	Score	.4
Exons	196..568		

Seq. No.	31516	Seq. ID	OJ990619_43.9C01.C27
Gene No.	65224	Strand	+
Start	740	End	6272
Name	OJ990619_43.9C01.C27.o1.tc	Method	TBLASTX:Cress
Start	544	End	2290
GI	none	Score	97
Exons	544..627, 545..616, 875..1024, 903..1052, 904..1053, 1235..1306, 1407..1472, 1636..1800, 1638..1793, 1680..1814, 2197..2283, 2198..2290		

Seq. No.	31516	Seq. ID	OJ990619_43.9C01.C27
Gene No.	65224	Strand	+
Start	740	End	6272
Name	OJ990619_43.9C01.C27.o2.tm	Method	TBLASTX:Maize
Start	551	End	2009
GI	none	Score	98
Exons	551..616, 553..633, 554..634, 731..796, 739..771, 896..1027, 903..1052, 904..1053, 1225..1305, 1235..1315, 1243..1314,		

1407..1463, 1636..1800, 1638..1802, 1638..1802, 1956..2009

Seq. No.	31516	Seq. ID	OJ990619_43.9C01.C27
Gene No.	65224	Strand	+
Start	740	End	6272
Name	OJ990619_43.9C01.C27.o1.gs	Method	GENSCAN
Start	740	End	6272
GI	none	Score	.8
Exons	740..864, 906..1029, 1244..1306, 1404..1463, 1639..1779, 1959..2029, 2197..2290, 2372..2508, 3099..3225, 5797..5924, 6008..6272		

Seq. No.	31516	Seq. ID	OJ990619_43.9C01.C27
Gene No.	65224	Strand	+
Start	740	End	6272
Name	OJ990619_43.9C01.C27.o1.tm	Method	TBLASTX:Maize
Start	2208	End	3317
GI	none	Score	86
Exons	2208..2285, 2212..2283, 2213..2290, 2213..2290, 2346..2447, 2356..2508, 2363..2554, 2611..2688, 2613..2705, 3102..3203, 3102..3203, 3103..3204, 3103..3204, 3276..3317, 3281..3316		

Seq. No.	31517	Seq. ID	OJ990619_43.9C01.C28
Gene No.	65225	Strand	-
Start	2296	End	3030
Name	OJ990619_43.9C01.C28.o2.gs	Method	GENSCAN
Start	2296	End	3030
GI	none	Score	.87
Exons	2296..3030		

Seq. No.	31517	Seq. ID	OJ990619_43.9C01.C28
Gene No.	65226	Strand	-
Start	4500	End	4682
Name	OJ990619_43.9C01.C28.o3.gs	Method	GENSCAN
Start	4500	End	4682
GI	none	Score	.88
Exons	4500..4682		

Seq. No.	31518	Seq. ID	OJ990619_43.9C01.C29
Gene No.	65227	Strand	-
Start	960	End	1297
Name	OJ990619_43.9C01.C29.o1.gs	Method	GENSCAN
Start	960	End	1297
GI	none	Score	.77
Exons	960..1297		

Seq. No.	31519	Seq. ID	OJ990619_43.9C01.C30
Gene No.	65228	Strand	-
Start	3673	End	4101
Name	OJ990619_43.9C01.C30.o2.gs	Method	GENSCAN
Start	3673	End	4101
GI	none	Score	.81
Exons	3673..3888, 3902..4101		

Seq. No.	31520	Seq. ID	OJ990619_43.9C01.C31
Gene No.	65229	Strand	+
Start	1751	End	7507

Name	OJ990619_43.9C01.C31.o1.gs	Method	GENSCAN
Start	1751	End	7507
GI	none	Score	.5
Exons	1751..1769, 3892..3972, 7280..7329, 7388..7507		

Seq. No.	31520	Seq. ID	OJ990619_43.9C01.C31
Gene No.	65230	Strand	+
Start	8713	End	9005
Name	OJ990619_43.9C01.C31.o1.gp	Method	AAT/GAP
Start	8713	End	9005
GI	uC-osf1cyp157f07a1	Score	522
Exons	8713..9005		
GI Descrip.	'4176420/dbj\|BAA37167\| 2.0e-11 (AB008097) cytochrome P450 [Arabidopsis thaliana]'		

Seq. No.	31520	Seq. ID	OJ990619_43.9C01.C31
Gene No.	65231	Strand	+
Start	12430	End	13131
Name	OJ990619_43.9C01.C31.o4.gs	Method	GENSCAN
Start	12430	End	13131
GI	none	Score	.55
Exons	12430..12497, 12576..13131		

Seq. No.	31520	Seq. ID	OJ990619_43.9C01.C31
Gene No.	65232	Strand	-
Start	5034	End	7996
Name	OJ990619_43.9C01.C31.o1.np	Method	AAT/NAP
Start	5034	End	7996
GI	6498436	Score	270
Exons	5034..5155, 5441..5775, 7926..7996		
GI Descrip.	(AP000815) hypothetical protein [Oryza sativa]		

Seq. No.	31520	Seq. ID	OJ990619_43.9C01.C31
Gene No.	65233	Strand	-
Start	8269	End	9922
Name	OJ990619_43.9C01.C31.o2.gs	Method	GENSCAN
Start	8269	End	9486
GI	none	Score	.89
Exons	8269..8277, 8485..8580, 8610..8804, 8963..9237, 9363..9486		

Seq. No.	31520	Seq. ID	OJ990619_43.9C01.C31
Gene No.	65233	Strand	-
Start	8269	End	9922
Name	OJ990619_43.9C01.C31.o2.np	Method	AAT/NAP
Start	8475	End	9922
GI	2739309	Score	138
Exons	8475..8663, 9884..9922		
GI Descrip.	(Y15990) P-glycoprotein-like protein [Arabidopsis thaliana]		

Seq. No.	31520	Seq. ID	OJ990619_43.9C01.C31
Gene No.	65234	Strand	-
Start	9905	End	12678
Name	OJ990619_43.9C01.C31.o3.gs	Method	GENSCAN
Start	9905	End	10877
GI	none	Score	.48
Exons	9905..10684, 10728..10877		

Seq. No.	31520	Seq. ID	OJ990619_43.9C01.C31
Gene No.	65234	Strand	-
Start	9905	End	12678
Name	OJ990619_43.9C01.C31.o1.tm	Method	TBLASTX:Maize
Start	10752	End	12676
GI	none	Score	68
Exons	10752..10820, 10759..10845, 10777..10845, 10929..10988, 10939..10986, 10946..10990, 12410..12475, 12418..12495, 12420..12497, 12427..12495, 12574..12663, 12574..12651, 12575..12676		

Seq. No.	31520	Seq. ID	OJ990619_43.9C01.C31
Gene No.	65234	Strand	-
Start	9905	End	12678
Name	OJ990619_43.9C01.C31.o1.ts	Method	TBLASTX:Soybean
Start	10795	End	12678
GI	none	Score	53
Exons	10795..10845, 10939..10986, 12420..12497, 12427..12495, 12573..12635, 12573..12671, 12574..12678		

Seq. No.	31521	Seq. ID	OJ990619_43.9C01.C34
Gene No.	65235	Strand	+
Start	3225	End	3298
Name	OJ990619_43.9C01.C34.o1.gp	Method	AAT/GAP
Start	3225	End	3298
GI	LIB3477-003-P1-K1-E9	Score	94
Exons	3225..3298		
GI Descrip.	'2498586/sp\|Q40638\|MPO1_ORYSA 2.0e-24 MAJOR POLLEN ALLERGEN ORY S 1 PRECURSOR (ORY S I) >gi_1173557 (U31771) Ory s 1 [Oryza sativa]'		

Seq. No.	31521	Seq. ID	OJ990619_43.9C01.C34
Gene No.	65236	Strand	-
Start	1	End	3467
Name	OJ990619_43.9C01.C34.o1.np	Method	AAT/NAP
Start	1	End	3467
GI	3402755	Score	1389
Exons	1..1497, 1524..2841, 3428..3467		
GI Descrip.	(AL031187) putative transposable element [Arabidopsis thaliana]		

Seq. No.	31521	Seq. ID	OJ990619_43.9C01.C34
Gene No.	65236	Strand	-
Start	1	End	3467
Name	OJ990619_43.9C01.C34.o2.tw	Method	TBLASTX:Wheat
Start	17	End	358
GI	none	Score	163
Exons	17..193, 188..358		

Seq. No.	31521	Seq. ID	OJ990619_43.9C01.C34
Gene No.	65236	Strand	-
Start	1	End	3467
Name	OJ990619_43.9C01.C34.o1.tm	Method	TBLASTX:Maize
Start	80	End	520
GI	none	Score	293
Exons	80..520		

Seq. No.	31521	Seq. ID	OJ990619_43.9C01.C34

Gene No.	65236	Strand	-
Start	1	End	3467
Name	OJ990619_43.9C01.C34.o1.ts	Method	TBLASTX:Soybean
Start	107	End	496
GI	none	Score	77
Exons	107..496, 149..331, 204..494		

Seq. No.	31521	Seq. ID	OJ990619_43.9C01.C34
Gene No.	65236	Strand	-
Start	1	End	3467
Name	OJ990619_43.9C01.C34.o1.tw	Method	TBLASTX:Wheat
Start	362	End	775
GI	none	Score	338
Exons	362..712, 363..713, 568..720, 722..775		

Seq. No.	31521	Seq. ID	OJ990619_43.9C01.C34
Gene No.	65236	Strand	-
Start	1	End	3467
Name	OJ990619_43.9C01.C34.o1.gs	Method	GENSCAN
Start	437	End	2943
GI	none	Score	.79
Exons	437..1168, 1202..1465, 1524..1564, 1613..2185, 2317..2409, 2832..2943		

Seq. No.	31521	Seq. ID	OJ990619_43.9C01.C34
Gene No.	65236	Strand	-
Start	1	End	3467
Name	OJ990619_43.9C01.C34.o2.ts	Method	TBLASTX:Soybean
Start	986	End	1441
GI	none	Score	76
Exons	986..1135, 1121..1264, 1250..1441, 1254..1436		

Seq. No.	31521	Seq. ID	OJ990619_43.9C01.C34
Gene No.	65236	Strand	-
Start	1	End	3467
Name	OJ990619_43.9C01.C34.o2.tm	Method	TBLASTX:Maize
Start	1142	End	1441
GI	none	Score	82
Exons	1142..1273, 1250..1441, 1254..1379		

Seq. No.	31522	Seq. ID	OJ990619_43.9C01.C35
Gene No.	65237	Strand	+
Start	8196	End	16126
Name	OJ990619_43.9C01.C35.o2.gs	Method	GENSCAN
Start	8196	End	11445
GI	none	Score	.52
Exons	8196..8289, 9084..9159, 9931..10095, 10237..11186, 11297..11445		

Seq. No.	31522	Seq. ID	OJ990619_43.9C01.C35
Gene No.	65237	Strand	+
Start	8196	End	16126
Name	OJ990619_43.9C01.C35.o2.np	Method	AAT/NAP
Start	10439	End	14240
GI	6630696	Score	6200
Exons	10439..14240		
GI Descrip.	(AP000969) ESTs D22114(C10364), AU076106(E20423) correspond to a region of the predicted gene.; Similar to retrovirus-related pol		

polyprotein from transposon Tnt 1-94. (P10978) [Oryza sativa]

Seq. No.	31522	Seq. ID	OJ990619_43.9C01.C35
Gene No.	65237	Strand	+
Start	8196	End	16126
Name	OJ990619_43.9C01.C35.o1.gp	Method	AAT/GAP
Start	10481	End	11371
GI	101595_1.R1084	Score	1359
Exons	10481..11181, 11297..11371		
GI Descrip.	'3047066 3.0e-15 (AF058825) contains similarity to retrovirus-related POL polyproteins [Arabidopsis thaliana]'		

Seq. No.	31522	Seq. ID	OJ990619_43.9C01.C35
Gene No.	65237	Strand	+
Start	8196	End	16126
Name	OJ990619_43.9C01.C35.o3.np	Method	AAT/NAP
Start	11109	End	16126
GI	4680186	Score	374
Exons	11109..11181, 15026..15086, 15926..16126		
GI Descrip.	(AF111709) unknown [Oryza sativa subsp. indica]		

Seq. No.	31522	Seq. ID	OJ990619_43.9C01.C35
Gene No.	65237	Strand	+
Start	8196	End	16126
Name	OJ990619_43.9C01.C35.o3.gs	Method	GENSCAN
Start	12448	End	13770
GI	none	Score	.67
Exons	12448..13770		

Seq. No.	31522	Seq. ID	OJ990619_43.9C01.C35
Gene No.	65238	Strand	-
Start	1159	End	2814
Name	OJ990619_43.9C01.C35.o1.gs	Method	GENSCAN
Start	1159	End	2814
GI	none	Score	.93
Exons	1159..1815, 1912..2814		

Seq. No.	31522	Seq. ID	OJ990619_43.9C01.C35
Gene No.	65238	Strand	-
Start	1159	End	2814
Name	OJ990619_43.9C01.C35.o1.np	Method	AAT/NAP
Start	1195	End	2814
GI	166949	Score	989
Exons	1195..1815, 1912..2814		
GI Descrip.	(M32885) cytochrome P-450LXXIA1 (cyp71A1) [Persea americana]		

Seq. No.	31522	Seq. ID	OJ990619_43.9C01.C35
Gene No.	65239	Strand	-
Start	15198	End	16936
Name	OJ990619_43.9C01.C35.o1.ts	Method	TBLASTX:Soybean
Start	1216	End	2469
GI	none	Score	161
Exons	1216..1431, 1456..1815, 1457..1816, 1912..2115, 2212..2304, 2275..2469		

Seq. No.	31522	Seq. ID	OJ990619_43.9C01.C35
Gene No.	65239	Strand	-

Start	15198	End	16936
Name	OJ990619_43.9C01.C35.o1.tc	Method	TBLASTX:Cress
Start	1222	End	2691
GI	none	Score	70
Exons	1222..1431, 1231..1413, 1456..1686, 1457..1561, 1586..1636, 1693..1815, 1721..1816, 1915..2214, 2239..2613, 2626..2691		

Seq. No.	31522	Seq. ID	OJ990619_43.9C01.C35
Gene No.	65239	Strand	-
Start	15198	End	16936
Name	OJ990619_43.9C01.C35.o1.tm	Method	TBLASTX:Maize
Start	1222	End	2001
GI	none	Score	105
Exons	1222..1437, 1222..1434, 1454..1654, 1456..1818, 1724..1804, 1918..2001		

Seq. No.	31522	Seq. ID	OJ990619_43.9C01.C35
Gene No.	65239	Strand	-
Start	15198	End	16936
Name	OJ990619_43.9C01.C35.o7.tw	Method	TBLASTX:Wheat
Start	1268	End	1506
GI	none	Score	50
Exons	1268..1354, 1273..1506, 1457..1504		

Seq. No.	31522	Seq. ID	OJ990619_43.9C01.C35
Gene No.	65239	Strand	-
Start	15198	End	16936
Name	OJ990619_43.9C01.C35.o5.tw	Method	TBLASTX:Wheat
Start	1507	End	2001
GI	none	Score	92
Exons	1507..1815, 1508..1636, 1721..1816, 1907..1960, 1912..2001		

Seq. No.	31522	Seq. ID	OJ990619_43.9C01.C35
Gene No.	65239	Strand	-
Start	15198	End	16936
Name	OJ990619_43.9C01.C35.o7.tm	Method	TBLASTX:Maize
Start	2236	End	2691
GI	none	Score	72
Exons	2236..2691, 2569..2685		

Seq. No.	31522	Seq. ID	OJ990619_43.9C01.C35
Gene No.	65239	Strand	-
Start	15198	End	16936
Name	OJ990619_43.9C01.C35.o4.tw	Method	TBLASTX:Wheat
Start	10333	End	10730
GI	none	Score	115
Exons	10333..10407, 10334..10468, 10445..10729, 10519..10710, 10569..10730		

Seq. No.	31522	Seq. ID	OJ990619_43.9C01.C35
Gene No.	65239	Strand	-
Start	15198	End	16936
Name	OJ990619_43.9C01.C35.o5.tm	Method	TBLASTX:Maize
Start	10481	End	10789
GI	none	Score	306
Exons	10481..10789, 10528..10710, 10581..10724, 10595..10786		

Seq. No.	31522	Seq. ID	OJ990619_43.9C01.C35
Gene No.	65239	Strand	-
Start	15198	End	16936
Name	OJ990619_43.9C01.C35.o2.tm	Method	TBLASTX:Maize
Start	11312	End	11650
GI	none	Score	348
Exons	11312..11584, 11314..11586, 11314..11586, 11615..11650		

Seq. No.	31522	Seq. ID	OJ990619_43.9C01.C35
Gene No.	65239	Strand	-
Start	15198	End	16936
Name	OJ990619_43.9C01.C35.o6.tm	Method	TBLASTX:Maize
Start	11768	End	12231
GI	none	Score	101
Exons	11768..11989, 11968..12231, 12006..12224		

Seq. No.	31522	Seq. ID	OJ990619_43.9C01.C35
Gene No.	65239	Strand	-
Start	15198	End	16936
Name	OJ990619_43.9C01.C35.o6.tw	Method	TBLASTX:Wheat
Start	11875	End	12066
GI	none	Score	151
Exons	11875..11970, 11876..11989, 11963..12040, 11970..12065, 11971..12066		

Seq. No.	31522	Seq. ID	OJ990619_43.9C01.C35
Gene No.	65239	Strand	-
Start	15198	End	16936
Name	OJ990619_43.9C01.C35.o3.ts	Method	TBLASTX:Soybean
Start	12019	End	12417
GI	none	Score	199
Exons	12019..12240, 12021..12236, 12244..12417		

Seq. No.	31522	Seq. ID	OJ990619_43.9C01.C35
Gene No.	65239	Strand	-
Start	15198	End	16936
Name	OJ990619_43.9C01.C35.o1.tw	Method	TBLASTX:Wheat
Start	12067	End	12822
GI	none	Score	938
Exons	12067..12822, 12074..12817, 12075..12818, 12631..12822		

Seq. No.	31522	Seq. ID	OJ990619_43.9C01.C35
Gene No.	65239	Strand	-
Start	15198	End	16936
Name	OJ990619_43.9C01.C35.o2.ts	Method	TBLASTX:Soybean
Start	12742	End	13206
GI	5509260	Score	353
Exons	12742..13206, 12837..12968, 13006..13092		
GI Descrip.	-		

Seq. No.	31522	Seq. ID	OJ990619_43.9C01.C35
Gene No.	65239	Strand	-
Start	15198	End	16936
Name	OJ990619_43.9C01.C35.o2.tc	Method	TBLASTX:Cress
Start	12836	End	13095
GI	none	Score	262
Exons	12836..12976, 12837..12980, 12838..13095		

Seq. No.	31522	Seq. ID	OJ990619_43.9C01.C35
Gene No.	65239	Strand	-
Start	15198	End	16936
Name	OJ990619_43.9C01.C35.o3.tm	Method	TBLASTX:Maize
Start	12876	End	13341
GI	none	Score	327
Exons	12876..13061, 12877..13341, 13128..13238		

Seq. No.	31522	Seq. ID	OJ990619_43.9C01.C35
Gene No.	65239	Strand	-
Start	15198	End	16936
Name	OJ990619_43.9C01.C35.o3.tw	Method	TBLASTX:Wheat
Start	12877	End	13422
GI	none	Score	289
Exons	12877..13221, 12894..13061, 13216..13422, 13290..13412		

Seq. No.	31522	Seq. ID	OJ990619_43.9C01.C35
Gene No.	65239	Strand	-
Start	15198	End	16936
Name	OJ990619_43.9C01.C35.o4.ts	Method	TBLASTX:Soybean
Start	13255	End	13626
GI	none	Score	149
Exons	13255..13434, 13275..13439, 13434..13622, 13435..13623, 13444..13626		

Seq. No.	31522	Seq. ID	OJ990619_43.9C01.C35
Gene No.	65239	Strand	-
Start	15198	End	16936
Name	OJ990619_43.9C01.C35.o4.tm	Method	TBLASTX:Maize
Start	13425	End	13764
GI	none	Score	319
Exons	13425..13763, 13432..13764		

Seq. No.	31522	Seq. ID	OJ990619_43.9C01.C35
Gene No.	65239	Strand	-
Start	15198	End	16936
Name	OJ990619_43.9C01.C35.o2.tw	Method	TBLASTX:Wheat
Start	13630	End	14104
GI	none	Score	105
Exons	13630..13704, 13631..13690, 13635..13703, 13713..13760, 13719..13757, 13720..13776, 13727..13759, 13757..13897, 13758..14102, 13766..14104, 13938..14066, 13982..14104		

Seq. No.	31522	Seq. ID	OJ990619_43.9C01.C35
Gene No.	65239	Strand	-
Start	15198	End	16936
Name	OJ990619_43.9C01.C35.o5.ts	Method	TBLASTX:Soybean
Start	13636	End	13976
GI	none	Score	89
Exons	13636..13749, 13671..13730, 13767..13976, 13772..13897		

Seq. No.	31522	Seq. ID	OJ990619_43.9C01.C35
Gene No.	65239	Strand	-
Start	15198	End	16936
Name	OJ990619_43.9C01.C35.o8.tw	Method	TBLASTX:Wheat
Start	14453	End	14711

GI	none	Score	85
Exons	14453..14521, 14460..14522, 14522..14599, 14524..14592, 14525..14599, 14550..14699, 14598..14711, 14609..14701		

Seq. No.	31522	Seq. ID	OJ990619_43.9C01.C35
Gene No.	65239	Strand	-
Start	15198	End	16936
Name	OJ990619_43.9C01.C35.o4.gs	Method	GENSCAN
Start	15198	End	16936
GI	none	Score	.42
Exons	15198..15235, 16010..16065, 16512..16572, 16867..16936		

Seq. No.	31522	Seq. ID	OJ990619_43.9C01.C35
Gene No.	65239	Strand	-
Start	15198	End	16936
Name	OJ990619_43.9C01.C35.o2.gp	Method	AAT/GAP
Start	15678	End	16059
GI	uC-osflcyp033a04b1	Score	651
Exons	15678..16059		
GI Descrip.	'6016845/dbj\|AP000570.1\|AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		

Seq. No.	31523	Seq. ID	OJ990619_43.9C01.C36
Gene No.	65240	Strand	+
Start	2437	End	8431
Name	OJ990619_43.9C01.C36.o1.gs	Method	GENSCAN
Start	2437	End	8424
GI	none	Score	.78
Exons	2437..2584, 2987..3120, 3385..4954, 5458..5576, 5688..5843, 6209..8424		

Seq. No.	31523	Seq. ID	OJ990619_43.9C01.C36
Gene No.	65240	Strand	+
Start	2437	End	8431
Name	OJ990619_43.9C01.C36.o1.np	Method	AAT/NAP
Start	4995	End	8431
GI	2583130	Score	1638
Exons	4995..8431		
GI Descrip.	(AC002387) putative non-LTR retroelement reverse transcriptase [Arabidopsis thaliana]		

Seq. No.	31523	Seq. ID	OJ990619_43.9C01.C36
Gene No.	65240	Strand	+
Start	2437	End	8431
Name	OJ990619_43.9C01.C36.o4.tw	Method	TBLASTX:Wheat
Start	5100	End	5486
GI	none	Score	93
Exons	5100..5291, 5279..5437, 5301..5486		

Seq. No.	31523	Seq. ID	OJ990619_43.9C01.C36
Gene No.	65240	Strand	+
Start	2437	End	8431
Name	OJ990619_43.9C01.C36.o1.tm	Method	TBLASTX:Maize
Start	6500	End	6934
GI	none	Score	104
Exons	6500..6655, 6692..6934, 6862..6915		

Seq. No.	31523	Seq. ID	OJ990619_43.9C01.C36
Gene No.	65240	Strand	+
Start	2437	End	8431
Name	OJ990619_43.9C01.C36.o1.tw	Method	TBLASTX:Wheat
Start	6544	End	6928
GI	none	Score	213
Exons	6544..6615, 6545..6763, 6555..6644, 6691..6759, 6732..6851, 6751..6924, 6754..6909, 6758..6928		

Seq. No.	31523	Seq. ID	OJ990619_43.9C01.C36
Gene No.	65240	Strand	+
Start	2437	End	8431
Name	OJ990619_43.9C01.C36.o2.tw	Method	TBLASTX:Wheat
Start	7096	End	7513
GI	none	Score	402
Exons	7096..7467, 7097..7480, 7124..7492, 7451..7513		

Seq. No.	31523	Seq. ID	OJ990619_43.9C01.C36
Gene No.	65240	Strand	+
Start	2437	End	8431
Name	OJ990619_43.9C01.C36.o2.tm	Method	TBLASTX:Maize
Start	7292	End	7645
GI	none	Score	241
Exons	7292..7645, 7328..7642		

Seq. No.	31523	Seq. ID	OJ990619_43.9C01.C36
Gene No.	65240	Strand	+
Start	2437	End	8431
Name	OJ990619_43.9C01.C36.o3.tw	Method	TBLASTX:Wheat
Start	8081	End	8425
GI	none	Score	253
Exons	8081..8425, 8208..8249		

Seq. No.	31524	Seq. ID	OJ990619_43.9C01.C38
Gene No.	65241	Strand	+
Start	127	End	807
Name	OJ990619_43.9C01.C38.o1.gs	Method	GENSCAN
Start	127	End	807
GI	none	Score	.98
Exons	127..807		

Seq. No.	31524	Seq. ID	OJ990619_43.9C01.C38
Gene No.	65242	Strand	+
Start	1453	End	2004
Name	OJ990619_43.9C01.C38.o2.gs	Method	GENSCAN
Start	1453	End	2004
GI	none	Score	.93
Exons	1453..2004		

Seq. No.	31524	Seq. ID	OJ990619_43.9C01.C38
Gene No.	65243	Strand	-
Start	1	End	5822
Name	OJ990619_43.9C01.C38.o1.np	Method	AAT/NAP
Start	1	End	5822
GI	4758108	Score	74
Exons	1..216, 557..701, 5792..5822		
GI Descrip.	HLA-B associated transcript-2 gi\|1352066\|sp\|P48634\|BAT2_HUMAN		

LARGE PROLINE-RICH PROTEIN BAT2 (HLA-B-ASSOCIATED TRANSCRIPT 2) gi|107078|pir||B35098 MHC class III histocompatibility antigen HLA-B-associated transcript 2 - human gi|179339 (M33509) HLA-B-associated transcript 2 (BAT2) [Homo sapiens] gi|179345 (M33518) HLA-B-associated transcript 2 (BAT2) [Homo sapiens]

Seq. No.	31524	Seq. ID	OJ990619_43.9C01.C38
Gene No.	65243	Strand	-
Start	1	End	5822
Name	OJ990619_43.9C01.C38.o3.gs	Method	GENSCAN
Start	3357	End	4281
GI	none	Score	.66
Exons	3357..3433, 3521..4015, 4020..4167, 4279..4281		

Seq. No.	31525	Seq. ID	OJ990619_39.9C10.C1
Gene No.	65244	Strand	-
Start	123	End	627
Name	OJ990619_39.9C10.C1.o1.np	Method	AAT/NAP
Start	123	End	627
GI	6714426	Score	133
Exons	123..265, 379..627		
GI Descrip.	(AC012328) unknown protein [Arabidopsis thaliana]		

Seq. No.	31525	Seq. ID	OJ990619_39.9C10.C1
Gene No.	65244	Strand	-
Start	123	End	627
Name	OJ990619_39.9C10.C1.o1.gs	Method	GENSCAN
Start	356	End	540
GI	none	Score	.42
Exons	356..540		

Seq. No.	31525	Seq. ID	OJ990619_39.9C10.C1
Gene No.	65244	Strand	-
Start	123	End	627
Name	OJ990619_39.9C10.C1.o1.ts	Method	TBLASTX:Soybean
Start	380	End	511
GI	none	Score	139
Exons	380..511, 384..503		

Seq. No.	31525	Seq. ID	OJ990619_39.9C10.C1		
Gene No.	65244	Strand	-		
Start	123	End	627		
Name	OJ990619_39.9C10.C1.o1.gp	Method	AAT/GAP		
Start	392	End	501		
GI	50072_1.R1084	Score	175		
Exons	392..501				
GI Descrip.	'4006932/emb	CAA09608	8.0e-13 (AJ011400) NADH:ubiquinone oxidoreductase b17.2 subunit [Bos taurus]'		

Seq. No.	31525	Seq. ID	OJ990619_39.9C10.C1
Gene No.	65244	Strand	-
Start	123	End	627
Name	OJ990619_39.9C10.C1.o1.tm	Method	TBLASTX:Maize
Start	392	End	525
GI	none	Score	209
Exons	392..511, 396..503, 397..525		

Seq. No.	31526	Seq. ID	OJ990619_39.9C10.C2
Gene No.	65245	Strand	+
Start	5219	End	6194
Name	OJ990619_39.9C10.C2.o2.gs	Method	GENSCAN
Start	5219	End	6194
GI	none	Score	.91
Exons	5219..5598, 5675..6194		

Seq. No.	31526	Seq. ID	OJ990619_39.9C10.C2
Gene No.	65246	Strand	+
Start	12516	End	15314
Name	OJ990619_39.9C10.C2.o3.gp	Method	AAT/GAP
Start	12478	End	12850
GI	5003335	Score	224
Exons	12478..12563, 12807..12850		

Seq. No.	31526	Seq. ID	OJ990619_39.9C10.C2
Gene No.	65246	Strand	+
Start	12516	End	15314
Name	OJ990619_39.9C10.C2.o4.gs	Method	GENSCAN
Start	12516	End	15314
GI	none	Score	.86
Exons	12516..12563, 12807..12873, 13150..13367, 13522..14078, 14495..15314		

Seq. No.	31526	Seq. ID	OJ990619_39.9C10.C2
Gene No.	65247	Strand	+
Start	22001	End	22655
Name	OJ990619_39.9C10.C2.o6.gs	Method	GENSCAN
Start	22001	End	22655
GI	none	Score	.97
Exons	22001..22051, 22136..22228, 22359..22655		

Seq. No.	31526	Seq. ID	OJ990619_39.9C10.C2
Gene No.	65248	Strand	-
Start	1	End	3462
Name	OJ990619_39.9C10.C2.o1.np	Method	AAT/NAP
Start	1	End	916
GI	6714426	Score	171
Exons	1..42, 283..378, 503..529, 825..916		
GI Descrip.	(AC012328) unknown protein [Arabidopsis thaliana]		

Seq. No.	31526	Seq. ID	OJ990619_39.9C10.C2
Gene No.	65248	Strand	-
Start	1	End	3462
Name	OJ990619_39.9C10.C2.o1.gp	Method	AAT/GAP
Start	287	End	1056
GI	50072_1.R1084	Score	635
Exons	287..378, 503..529, 825..1056		
GI Descrip.	'4006932/emb\|CAA09608\| 8.0e-13 (AJ011400) NADH:ubiquinone oxidoreductase b17.2 subunit [Bos taurus]'		

Seq. No.	31526	Seq. ID	OJ990619_39.9C10.C2
Gene No.	65248	Strand	-
Start	1	End	3462
Name	OJ990619_39.9C10.C2.o1.gs	Method	GENSCAN
Start	287	End	3462

GI	none	Score	.42
Exons	287..378, 503..529, 902..979, 1467..1635, 3387..3462		

Seq. No.	31526	Seq. ID	OJ990619_39.9C10.C2
Gene No.	65249	Strand	-
Start	9719	End	11540
Name	OJ990619_39.9C10.C2.o2.gp	Method	AAT/GAP
Start	9719	End	11540
GI	none	Score	1314
Exons	9719..10033, 11065..11149, 11232..11540		

Seq. No.	31526	Seq. ID	OJ990619_39.9C10.C2
Gene No.	65250	Strand	-
Start	15840	End	21861
Name	OJ990619_39.9C10.C2.o5.gs	Method	GENSCAN
Start	15840	End	20649
GI	none	Score	.53
Exons	15840..16120, 16172..16297, 17792..17893, 18426..18866, 19188..19330, 19556..20649		

Seq. No.	31526	Seq. ID	OJ990619_39.9C10.C2
Gene No.	65250	Strand	-
Start	15840	End	21861
Name	OJ990619_39.9C10.C2.o2.np	Method	AAT/NAP
Start	15920	End	21861
GI	6466937	Score	2172
Exons	15920..19555, 19598..20219, 21813..21861		
GI Descrip.	(AC011621) putative retroelement pol polyprotein [Arabidopsis thaliana]		

Seq. No.	31526	Seq. ID	OJ990619_39.9C10.C2
Gene No.	65251	Strand	-
Start	23417	End	23806
Name	OJ990619_39.9C10.C2.o2.tc	Method	TBLASTX:Cress
Start	5666	End	5986
GI	none	Score	50
Exons	5666..5707, 5673..5708, 5706..5963, 5735..5986		

Seq. No.	31526	Seq. ID	OJ990619_39.9C10.C2
Gene No.	65251	Strand	-
Start	23417	End	23806
Name	OJ990619_39.9C10.C2.o9.tm	Method	TBLASTX:Maize
Start	5735	End	5921
GI	none	Score	251
Exons	5735..5920, 5742..5921		

Seq. No.	31526	Seq. ID	OJ990619_39.9C10.C2
Gene No.	65251	Strand	-
Start	23417	End	23806
Name	OJ990619_39.9C10.C2.o1.ts	Method	TBLASTX:Soybean
Start	5736	End	5963
GI	none	Score	365
Exons	5736..5963, 5747..5962		

Seq. No.	31526	Seq. ID	OJ990619_39.9C10.C2
Gene No.	65251	Strand	-
Start	23417	End	23806

Name	OJ990619_39.9C10.C2.o6.tw	Method	TBLASTX:Wheat
Start	5742	End	5921
GI	none	Score	233
Exons	5742..5921, 5744..5920		

Seq. No.	31526	Seq. ID	OJ990619_39.9C10.C2
Gene No.	65251	Strand	-
Start	23417	End	23806
Name	OJ990619_39.9C10.C2.o7.tw	Method	TBLASTX:Wheat
Start	9878	End	11328
GI	none	Score	157
Exons	9878..10036, 9879..10034, 9881..10036, 11065..11151, 11070..11156, 11075..11152, 11211..11324, 11232..11315, 11234..11323, 11299..11328		

Seq. No.	31526	Seq. ID	OJ990619_39.9C10.C2
Gene No.	65251	Strand	-
Start	23417	End	23806
Name	OJ990619_39.9C10.C2.o10.tm	Method	TBLASTX:Maize
Start	9890	End	11333
GI	none	Score	142
Exons	9890..10039, 9891..10034, 9905..10039, 11065..11151, 11066..11149, 11229..11312, 11232..11333, 11234..11326		

Seq. No.	31526	Seq. ID	OJ990619_39.9C10.C2
Gene No.	65251	Strand	-
Start	23417	End	23806
Name	OJ990619_39.9C10.C2.o3.tm	Method	TBLASTX:Maize
Start	13137	End	13993
GI	none	Score	350
Exons	13137..13367, 13148..13351, 13150..13368, 13521..13937, 13522..13938, 13527..13985, 13964..13993		

Seq. No.	31526	Seq. ID	OJ990619_39.9C10.C2
Gene No.	65251	Strand	-
Start	23417	End	23806
Name	OJ990619_39.9C10.C2.o5.ts	Method	TBLASTX:Soybean
Start	13137	End	13364
GI	none	Score	203
Exons	13137..13364		

Seq. No.	31526	Seq. ID	OJ990619_39.9C10.C2
Gene No.	65251	Strand	-
Start	23417	End	23806
Name	OJ990619_39.9C10.C2.o1.tc	Method	TBLASTX:Cress
Start	13140	End	15359
GI	none	Score	200
Exons	13140..13367, 13154..13348, 13521..13991, 13522..14133, 14493..14528, 14532..15041, 14568..14747, 14576..14878, 14955..15113, 14966..15106, 15165..15290, 15167..15253, 15333..15359		

Seq. No.	31526	Seq. ID	OJ990619_39.9C10.C2
Gene No.	65251	Strand	-
Start	23417	End	23806
Name	OJ990619_39.9C10.C2.o2.ts	Method	TBLASTX:Soybean
Start	13618	End	15293

GI	none	Score	204
Exons	13618..13986, 13623..13961, 14529..14720, 14576..14719, 14723..14872, 14724..14951, 14955..15293		

Seq. No.	31526	Seq. ID	OJ990619_39.9C10.C2
Gene No.	65251	Strand	-
Start	23417	End	23806
Name	OJ990619_39.9C10.C2.o6.tm	Method	TBLASTX:Maize
Start	14490	End	14878
GI	none	Score	49
Exons	14490..14534, 14529..14834, 14568..14876, 14576..14878		

Seq. No.	31526	Seq. ID	OJ990619_39.9C10.C2
Gene No.	65251	Strand	-
Start	23417	End	23806
Name	OJ990619_39.9C10.C2.o8.tw	Method	TBLASTX:Wheat
Start	14967	End	15296
GI	none	Score	109
Exons	14967..15113, 14969..15106, 15168..15296, 15171..15257		

Seq. No.	31526	Seq. ID	OJ990619_39.9C10.C2
Gene No.	65251	Strand	-
Start	23417	End	23806
Name	OJ990619_39.9C10.C2.o11.tm	Method	TBLASTX:Maize
Start	14993	End	15298
GI	none	Score	108
Exons	14993..15106, 14994..15113, 15167..15253, 15168..15296, 15171..15269, 15185..15298		

Seq. No.	31526	Seq. ID	OJ990619_39.9C10.C2
Gene No.	65251	Strand	-
Start	23417	End	23806
Name	OJ990619_39.9C10.C2.o5.tm	Method	TBLASTX:Maize
Start	15963	End	16607
GI	none	Score	84
Exons	15963..16157, 15963..16607, 16135..16239, 16267..16356, 16425..16520		

Seq. No.	31526	Seq. ID	OJ990619_39.9C10.C2
Gene No.	65251	Strand	-
Start	23417	End	23806
Name	OJ990619_39.9C10.C2.o3.tw	Method	TBLASTX:Wheat
Start	16228	End	16571
GI	none	Score	121
Exons	16228..16479, 16230..16571, 16278..16535		

Seq. No.	31526	Seq. ID	OJ990619_39.9C10.C2
Gene No.	65251	Strand	-
Start	23417	End	23806
Name	OJ990619_39.9C10.C2.o1.tm	Method	TBLASTX:Maize
Start	16636	End	17273
GI	none	Score	348
Exons	16636..16767, 16638..17273, 16639..17178, 16650..17270		

Seq. No.	31526	Seq. ID	OJ990619_39.9C10.C2
Gene No.	65251	Strand	-
Start	23417	End	23806

Name	OJ990619_39.9C10.C2.o5.tw	Method	TBLASTX:Wheat
Start	16638	End	17018
GI	none	Score	96
Exons	16638..17018, 16687..16926		

Seq. No.	31526	Seq. ID	OJ990619_39.9C10.C2
Gene No.	65251	Strand	-
Start	23417	End	23806
Name	OJ990619_39.9C10.C2.o3.ts	Method	TBLASTX:Soybean
Start	16866	End	17249
GI	none	Score	155
Exons	16866..17249, 16891..17199		

Seq. No.	31526	Seq. ID	OJ990619_39.9C10.C2
Gene No.	65251	Strand	-
Start	23417	End	23806
Name	OJ990619_39.9C10.C2.o1.tw	Method	TBLASTX:Wheat
Start	17106	End	17504
GI	none	Score	158
Exons	17106..17504, 17107..17367		

Seq. No.	31526	Seq. ID	OJ990619_39.9C10.C2
Gene No.	65251	Strand	-
Start	23417	End	23806
Name	OJ990619_39.9C10.C2.o7.tm	Method	TBLASTX:Maize
Start	17274	End	17699
GI	none	Score	92
Exons	17274..17504, 17511..17699, 17568..17699		

Seq. No.	31526	Seq. ID	OJ990619_39.9C10.C2
Gene No.	65251	Strand	-
Start	23417	End	23806
Name	OJ990619_39.9C10.C2.o6.ts	Method	TBLASTX:Soybean
Start	17697	End	17940
GI	none	Score	106
Exons	17697..17939, 17800..17940		

Seq. No.	31526	Seq. ID	OJ990619_39.9C10.C2
Gene No.	65251	Strand	-
Start	23417	End	23806
Name	OJ990619_39.9C10.C2.o2.tm	Method	TBLASTX:Maize
Start	17700	End	18221
GI	none	Score	163
Exons	17700..18221, 17860..18219		

Seq. No.	31526	Seq. ID	OJ990619_39.9C10.C2
Gene No.	65251	Strand	-
Start	23417	End	23806
Name	OJ990619_39.9C10.C2.o4.tw	Method	TBLASTX:Wheat
Start	17850	End	18251
GI	none	Score	117
Exons	17850..18251, 17884..18240		

Seq. No.	31526	Seq. ID	OJ990619_39.9C10.C2
Gene No.	65251	Strand	-
Start	23417	End	23806
Name	OJ990619_39.9C10.C2.o4.ts	Method	TBLASTX:Soybean

Start	17964	End	18302
GI	none	Score	95
Exons	17964..18302, 17974..18240		

Seq. No.	31526	Seq. ID	OJ990619_39.9C10.C2
Gene No.	65251	Strand	-
Start	23417	End	23806
Name	OJ990619_39.9C10.C2.o4.tm	Method	TBLASTX:Maize
Start	18246	End	18700
GI	none	Score	190
Exons	18246..18302, 18298..18696, 18310..18696, 18314..18700		

Seq. No.	31526	Seq. ID	OJ990619_39.9C10.C2
Gene No.	65251	Strand	-
Start	23417	End	23806
Name	OJ990619_39.9C10.C2.o2.tw	Method	TBLASTX:Wheat
Start	18311	End	18759
GI	none	Score	160
Exons	18311..18682, 18319..18759		

Seq. No.	31526	Seq. ID	OJ990619_39.9C10.C2
Gene No.	65251	Strand	-
Start	23417	End	23806
Name	OJ990619_39.9C10.C2.o7.ts	Method	TBLASTX:Soybean
Start	18409	End	18738
GI	none	Score	195
Exons	18409..18738		

Seq. No.	31526	Seq. ID	OJ990619_39.9C10.C2
Gene No.	65251	Strand	-
Start	23417	End	23806
Name	OJ990619_39.9C10.C2.o8.tm	Method	TBLASTX:Maize
Start	18967	End	19581
GI	none	Score	121
Exons	18967..19056, 19144..19386, 19453..19581		

Seq. No.	31526	Seq. ID	OJ990619_39.9C10.C2
Gene No.	65251	Strand	-
Start	23417	End	23806
Name	OJ990619_39.9C10.C2.o7.gs	Method	GENSCAN
Start	23417	End	23806
GI	none	Score	.42
Exons	23417..23806		

Seq. No.	31527	Seq. ID	OJ990619_39.9C10.C3
Gene No.	65252	Strand	+
Start	1714	End	15499
Name	OJ990619_39.9C10.C3.o1.np	Method	AAT/NAP
Start	1714	End	4083
GI	4102839	Score	952
Exons	1714..1850, 2405..2630, 2715..4083		
GI Descrip.	(AF016713) LeOPT1 [Lycopersicon esculentum]		

Seq. No.	31527	Seq. ID	OJ990619_39.9C10.C3
Gene No.	65252	Strand	+
Start	1714	End	15499
Name	OJ990619_39.9C10.C3.o1.gp	Method	AAT/GAP

Start	2108	End	2276
GI	none	Score	322
Exons	2108..2276		

Seq. No.	31527	Seq. ID	OJ990619_39.9C10.C3
Gene No.	65252	Strand	+
Start	1714	End	15499
Name	OJ990619_39.9C10.C3.o1.gs	Method	GENSCAN
Start	2310	End	15499
GI	none	Score	.64
Exons	2310..2630, 2715..3611, 3640..4067, 4564..4802, 5336..5464, 5665..6406, 7181..8134, 8353..8425, 9008..9278, 9373..9657, 9971..10038, 10131..10336, 10380..10725, 10807..10905, 10983..11281, 11298..11350, 11644..11874, 12424..12663, 12831..12947, 12955..13069, 13897..14146, 14248..14430, 14521..14678, 15337..15499		

Seq. No.	31527	Seq. ID	OJ990619_39.9C10.C3
Gene No.	65252	Strand	+
Start	1714	End	15499
Name	OJ990619_39.9C10.C3.o2.gp	Method	AAT/GAP
Start	4099	End	4291
GI	2798745	Score	293
Exons	4099..4291		

Seq. No.	31527	Seq. ID	OJ990619_39.9C10.C3
Gene No.	65252	Strand	+
Start	1714	End	15499
Name	OJ990619_39.9C10.C3.o2.np	Method	AAT/NAP
Start	5435	End	11882
GI	6815062	Score	6110
Exons	5435..5455, 6645..8134, 8353..8425, 9008..9278, 9373..9770, 9847..10038, 10131..10336, 10380..10725, 10807..10905, 10983..11340, 11575..11595, 11650..11882		
GI Descrip.	(AP001080) Similar to Arabidopsis thaliana chromosome II BAC F16P2 genomic sequence;mudrA like protein (AC004561) [Oryza sativa]		

Seq. No.	31527	Seq. ID	OJ990619_39.9C10.C3
Gene No.	65253	Strand	+
Start	19475	End	21722
Name	OJ990619_39.9C10.C3.o3.gs	Method	GENSCAN
Start	19475	End	21370
GI	none	Score	.85
Exons	19475..19566, 19627..19797, 19814..19950, 20057..20172, 20660..20725, 21182..21370		

Seq. No.	31527	Seq. ID	OJ990619_39.9C10.C3
Gene No.	65253	Strand	+
Start	19475	End	21722
Name	OJ990619_39.9C10.C3.o3.gp	Method	AAT/GAP
Start	19616	End	21722
GI	14569_1.R1084	Score	1887
Exons	19616..19774, 19860..19950, 20057..20172, 20491..20550, 20660..20725, 21182..21722		
GI Descrip.	'3182915/sp\|P91924\|ARF_DUGJA 3.0e-59 ADP-RIBOSYLATION FACTOR >gi_1842150_dbj_BAA19225_ (AB001051) ADP-ribosylation factor		

[Dugesia japonica]'

Seq. No.	31527	Seq. ID	OJ990619_39.9C10.C3
Gene No.	65253	Strand	+
Start	19475	End	21722
Name	OJ990619_39.9C10.C3.o3.np	Method	AAT/NAP
Start	19718	End	21367
GI	6714424	Score	710
Exons	19718..19774, 19860..19950, 20057..20172, 20491..20550, 20660..20725, 21182..21367		
GI Descrip.	(AC012328) putative ADP-ribosylation factor [Arabidopsis thaliana]		

Seq. No.	31527	Seq. ID	OJ990619_39.9C10.C3
Gene No.	65254	Strand	+
Start	30059	End	32416
Name	OJ990619_39.9C10.C3.o6.gp	Method	AAT/GAP
Start	29968	End	30784
GI	61914_1.R1084	Score	1336
Exons	29968..30241, 30357..30784		
GI Descrip.	'4106690/emb\|CAA22629.1\| 2.0e-43 (AL035065) putative urea active transporter [Schizosaccharomyces pombe]'		

Seq. No.	31527	Seq. ID	OJ990619_39.9C10.C3
Gene No.	65254	Strand	+
Start	30059	End	32416
Name	OJ990619_39.9C10.C3.o5.gs	Method	GENSCAN
Start	30059	End	32416
GI	none	Score	.99
Exons	30059..30241, 30357..31127, 31205..32416		

Seq. No.	31527	Seq. ID	OJ990619_39.9C10.C3
Gene No.	65254	Strand	+
Start	30059	End	32416
Name	OJ990619_39.9C10.C3.o5.np	Method	AAT/NAP
Start	30155	End	32347
GI	4106690	Score	1205
Exons	30155..30241, 30357..30971, 31017..31127, 31205..32347		
GI Descrip.	(AL035065) putative urea active transporter [Schizosaccharomyces pombe]		

Seq. No.	31527	Seq. ID	OJ990619_39.9C10.C3
Gene No.	65255	Strand	+
Start	33910	End	34299
Name	OJ990619_39.9C10.C3.o8.gp	Method	AAT/GAP
Start	33910	End	34299
GI	none	Score	678
Exons	33910..34299		

Seq. No.	31527	Seq. ID	OJ990619_39.9C10.C3
Gene No.	65256	Strand	-
Start	16261	End	17590
Name	OJ990619_39.9C10.C3.o2.gs	Method	GENSCAN
Start	16261	End	17590
GI	none	Score	.5
Exons	16261..16417, 16718..16897, 17025..17237, 17313..17338, 17420..17590		

Seq. No.	31527	Seq. ID	OJ990619_39.9C10.C3
Gene No.	65257	Strand	-
Start	22098	End	28334
Name	OJ990619_39.9C10.C3.o4.gp	Method	AAT/GAP
Start	21964	End	25655
GI	16624_1.R1084	Score	1933
Exons	21964..22172, 22262..22468, 22781..22889, 23003..23035, 23922..23969, 24092..24169, 24255..24339, 24433..24466, 24760..24854, 24940..25009, 25231..25329, 25418..25460, 25607..25655		
GI Descrip.	'1806144/emb\|CAA65981\| 1.0e-109 (X97316) cdc2MsE [Medicago sativa]'		

Seq. No.	31527	Seq. ID	OJ990619_39.9C10.C3
Gene No.	65257	Strand	-
Start	22098	End	28334
Name	OJ990619_39.9C10.C3.o4.gs	Method	GENSCAN
Start	22098	End	28334
GI	none	Score	.76
Exons	22098..22172, 22390..22468, 22781..22889, 23003..23035, 23418..23506, 23922..23969, 25607..25710, 25816..25926, 26011..26258, 26935..27081, 28229..28334		

Seq. No.	31527	Seq. ID	OJ990619_39.9C10.C3
Gene No.	65257	Strand	-
Start	22098	End	28334
Name	OJ990619_39.9C10.C3.o4.np	Method	AAT/NAP
Start	22098	End	26070
GI	1806144	Score	1142
Exons	22098..22175, 22262..22468, 22778..22889, 23003..23035, 23922..23969, 24092..24169, 24255..24339, 24433..24466, 24760..24854, 24940..25009, 25231..25329, 25418..25460, 25607..25710, 25816..25926, 26011..26070		
GI Descrip.	(X97316) cdc2MsE [Medicago sativa]		

Seq. No.	31527	Seq. ID	OJ990619_39.9C10.C3
Gene No.	65257	Strand	-
Start	22098	End	28334
Name	OJ990619_39.9C10.C3.o5.gp	Method	AAT/GAP
Start	25622	End	26270
GI	70230_1.R1084	Score	828
Exons	25622..25710, 25816..25926, 26011..26270		
GI Descrip.	'3157932 4.0e-30 (AC002131) Similar to hypothetical protein HYP1 gb_Z97338 from A. thaliana. [Arabidopsis thaliana]'		

Seq. No.	31527	Seq. ID	OJ990619_39.9C10.C3
Gene No.	65258	Strand	-
Start	32144	End	32656
Name	OJ990619_39.9C10.C3.o7.gp	Method	AAT/GAP
Start	32144	End	32656
GI	4715490	Score	981
Exons	32144..32656		

Seq. No.	31527	Seq. ID	OJ990619_39.9C10.C3
Gene No.	65259	Strand	-
Start	36008	End	39585

Name	OJ990619_39.9C10.C3.o1.tm	Method	TBLASTX:Maize
Start	2397	End	3143
GI	none	Score	303
Exons	2397..2627, 2399..2611, 2708..2887, 2709..2897, 2946..3143, 2948..3142		

Seq. No.	31527	Seq. ID	OJ990619_39.9C10.C3
Gene No.	65259	Strand	-
Start	36008	End	39585
Name	OJ990619_39.9C10.C3.o3.tc	Method	TBLASTX:Cress
Start	2405	End	4008
GI	none	Score	177
Exons	2405..2587, 2406..2675, 2714..2887, 2715..2909, 2948..3142, 2952..3143, 3282..3329, 3336..3500, 3628..3660, 3736..3954, 3742..3831, 3943..4008		

Seq. No.	31527	Seq. ID	OJ990619_39.9C10.C3
Gene No.	65259	Strand	-
Start	36008	End	39585
Name	OJ990619_39.9C10.C3.o3.ts	Method	TBLASTX:Soybean
Start	2478	End	3101
GI	none	Score	113
Exons	2478..2624, 2715..2909, 2726..2887, 2930..3070, 2934..3101		

Seq. No.	31527	Seq. ID	OJ990619_39.9C10.C3
Gene No.	65259	Strand	-
Start	36008	End	39585
Name	OJ990619_39.9C10.C3.o10.ts	Method	TBLASTX:Soybean
Start	3282	End	3660
GI	none	Score	52
Exons	3282..3356, 3351..3536, 3559..3615, 3628..3660		

Seq. No.	31527	Seq. ID	OJ990619_39.9C10.C3
Gene No.	65259	Strand	-
Start	36008	End	39585
Name	OJ990619_39.9C10.C3.o11.tm	Method	TBLASTX:Maize
Start	3282	End	3615
GI	none	Score	52
Exons	3282..3338, 3351..3500, 3383..3487, 3547..3615		

Seq. No.	31527	Seq. ID	OJ990619_39.9C10.C3
Gene No.	65259	Strand	-
Start	36008	End	39585
Name	OJ990619_39.9C10.C3.o9.ts	Method	TBLASTX:Soybean
Start	3736	End	4008
GI	none	Score	187
Exons	3736..3954, 3738..3902, 3946..4008		

Seq. No.	31527	Seq. ID	OJ990619_39.9C10.C3
Gene No.	65259	Strand	-
Start	36008	End	39585
Name	OJ990619_39.9C10.C3.o3.tw	Method	TBLASTX:Wheat
Start	3742	End	4008
GI	none	Score	184
Exons	3742..3954, 3745..3831, 3750..3905, 3946..4008		

Seq. No.	31527	Seq. ID	OJ990619_39.9C10.C3

Gene No.	65259	Strand	-
Start	36008	End	39585
Name	OJ990619_39.9C10.C3.o7.tm	Method	TBLASTX:Maize
Start	3774	End	4065
GI	none	Score	249
Exons	3774..3905, 3775..3939, 3954..4010, 3955..4065		

Seq. No.	31527	Seq. ID	OJ990619_39.9C10.C3
Gene No.	65259	Strand	-
Start	36008	End	39585
Name	OJ990619_39.9C10.C3.o3.tm	Method	TBLASTX:Maize
Start	6665	End	7208
GI	none	Score	145
Exons	6665..6790, 6669..6824, 6842..7132, 6843..7208, 7165..7188		

Seq. No.	31527	Seq. ID	OJ990619_39.9C10.C3
Gene No.	65259	Strand	-
Start	36008	End	39585
Name	OJ990619_39.9C10.C3.o5.tm	Method	TBLASTX:Maize
Start	9212	End	9909
GI	none	Score	70
Exons	9212..9301, 9365..9439, 9366..9434, 9404..9463, 9462..9773, 9464..9769, 9835..9909, 9835..9876		

Seq. No.	31527	Seq. ID	OJ990619_39.9C10.C3
Gene No.	65259	Strand	-
Start	36008	End	39585
Name	OJ990619_39.9C10.C3.o9.tm	Method	TBLASTX:Maize
Start	10143	End	10725
GI	none	Score	134
Exons	10143..10304, 10311..10337, 10429..10725		

Seq. No.	31527	Seq. ID	OJ990619_39.9C10.C3
Gene No.	65259	Strand	-
Start	36008	End	39585
Name	OJ990619_39.9C10.C3.o2.ts	Method	TBLASTX:Soybean
Start	19714	End	20695
GI	none	Score	100
Exons	19714..19776, 19715..19777, 19842..19952, 19859..19951, 20055..20171, 20056..20175, 20490..20564, 20491..20550, 20657..20695, 20670..20693		

Seq. No.	31527	Seq. ID	OJ990619_39.9C10.C3
Gene No.	65259	Strand	-
Start	36008	End	39585
Name	OJ990619_39.9C10.C3.o2.tw	Method	TBLASTX:Wheat
Start	19717	End	20168
GI	none	Score	46
Exons	19717..19755, 19718..19744, 19729..19776, 19748..19777, 19852..19944, 19856..19948, 19857..19952, 19859..19951, 19860..19952, 20055..20168, 20056..20166		

Seq. No.	31527	Seq. ID	OJ990619_39.9C10.C3
Gene No.	65259	Strand	-
Start	36008	End	39585
Name	OJ990619_39.9C10.C3.o6.tm	Method	TBLASTX:Maize
Start	19717	End	21366

GI	none	Score	104
Exons	19717..19776, 19718..19777, 19852..19941, 19856..19951, 19857..19952, 19859..19951, 19860..19952, 20054..20122, 20055..20171, 20055..20171, 20056..20175, 20059..20175, 20490..20549, 20491..20550, 20650..20724, 20652..20723, 20653..20724, 20657..20725, 21171..21362, 21181..21366, 21182..21337		

Seq. No.	31527	Seq. ID	OJ990619_39.9C10.C3
Gene No.	65259	Strand	-
Start	36008	End	39585
Name	OJ990619_39.9C10.C3.o4.tc	Method	TBLASTX:Cress
Start	19718	End	21330
GI	none	Score	58
Exons	19718..19777, 19857..19952, 19865..19951, 20055..20171, 20056..20175, 20491..20544, 20663..20725, 21187..21330, 21188..21322		

Seq. No.	31527	Seq. ID	OJ990619_39.9C10.C3
Gene No.	65259	Strand	-
Start	36008	End	39585
Name	OJ990619_39.9C10.C3.o7.ts	Method	TBLASTX:Soybean
Start	21181	End	21342
GI	none	Score	242
Exons	21181..21342, 21182..21337		

Seq. No.	31527	Seq. ID	OJ990619_39.9C10.C3
Gene No.	65259	Strand	-
Start	36008	End	39585
Name	OJ990619_39.9C10.C3.o8.tm	Method	TBLASTX:Maize
Start	22099	End	25330
GI	none	Score	36
Exons	22099..22119, 22107..22175, 22111..22194, 22123..22179, 22247..22375, 22262..22375, 22266..22376, 22392..22472, 22446..22469, 22782..22883, 22784..22891, 22785..22889, 22984..23034, 23003..23035, 23919..23969, 23921..23992, 23923..23970, 24086..24169, 24088..24168, 24255..24341, 24256..24342, 24256..24333, 24257..24340, 24431..24466, 24432..24470, 24432..24467, 24757..24864, 24764..24856, 24921..25010, 24929..25009, 24936..25010, 24937..25011, 25214..25330, 25216..25329		

Seq. No.	31527	Seq. ID	OJ990619_39.9C10.C3
Gene No.	65259	Strand	-
Start	36008	End	39585
Name	OJ990619_39.9C10.C3.o6.ts	Method	TBLASTX:Soybean
Start	22854	End	25285
GI	none	Score	81
Exons	22854..22892, 23005..23034, 23910..23969, 23921..23992, 24088..24168, 24255..24341, 24257..24340, 24431..24466, 24432..24473, 24757..24864, 24758..24856, 24885..25010, 24928..25011, 24929..25009, 24936..25010, 25214..25285, 25216..25284		

Seq. No.	31527	Seq. ID	OJ990619_39.9C10.C3
Gene No.	65259	Strand	-
Start	36008	End	39585

Name	OJ990619_39.9C10.C3.o4.tm	Method	TBLASTX:Maize
Start	25421	End	26258
GI	none	Score	115
Exons	25421..25468, 25619..25711, 25621..25713, 25648..25710, 25816..25920, 25871..25927, 25881..25928, 26008..26100, 26009..26101, 26119..26217, 26132..26215, 26136..26255, 26208..26258		

Seq. No.	31527	Seq. ID	OJ990619_39.9C10.C3
Gene No.	65259	Strand	-
Start	36008	End	39585
Name	OJ990619_39.9C10.C3.o1.ts	Method	TBLASTX:Soybean
Start	25607	End	26217
GI	none	Score	93
Exons	25607..25711, 25648..25710, 25816..25920, 26006..26083, 26008..26094, 26012..26095, 26114..26212, 26125..26217, 26132..26212		

Seq. No.	31527	Seq. ID	OJ990619_39.9C10.C3
Gene No.	65259	Strand	-
Start	36008	End	39585
Name	OJ990619_39.9C10.C3.o1.tc	Method	TBLASTX:Cress
Start	30122	End	30586
GI	none	Score	153
Exons	30122..30250, 30124..30243, 30356..30586, 30357..30584		

Seq. No.	31527	Seq. ID	OJ990619_39.9C10.C3
Gene No.	65259	Strand	-
Start	36008	End	39585
Name	OJ990619_39.9C10.C3.o5.ts	Method	TBLASTX:Soybean
Start	30609	End	30845
GI	none	Score	68
Exons	30609..30650, 30663..30845, 30668..30844		

Seq. No.	31527	Seq. ID	OJ990619_39.9C10.C3
Gene No.	65259	Strand	-
Start	36008	End	39585
Name	OJ990619_39.9C10.C3.o4.ts	Method	TBLASTX:Soybean
Start	31020	End	31294
GI	none	Score	173
Exons	31020..31127, 31025..31126, 31198..31290, 31205..31294		

Seq. No.	31527	Seq. ID	OJ990619_39.9C10.C3
Gene No.	65259	Strand	-
Start	36008	End	39585
Name	OJ990619_39.9C10.C3.o2.tc	Method	TBLASTX:Cress
Start	31739	End	32128
GI	none	Score	276
Exons	31739..31945, 31753..31947, 31982..32080, 32020..32073, 32060..32128		

Seq. No.	31527	Seq. ID	OJ990619_39.9C10.C3
Gene No.	65259	Strand	-
Start	36008	End	39585
Name	OJ990619_39.9C10.C3.o5.tc	Method	TBLASTX:Cress
Start	32131	End	32320
GI	none	Score	221

Exons	32131..32313, 32132..32320		
Seq. No.	31527	Seq. ID	OJ990619_39.9C10.C3
Gene No.	65259	Strand	-
Start	36008	End	39585
Name	OJ990619_39.9C10.C3.o10.tm	Method	TBLASTX:Maize
Start	34501	End	35058
GI	none	Score	99
Exons	34501..34572, 34502..34573, 34502..34573, 34669..34791, 34671..34793, 34674..34790, 34681..34791, 34965..35024, 34972..35058		
Seq. No.	31527	Seq. ID	OJ990619_39.9C10.C3
Gene No.	65259	Strand	-
Start	36008	End	39585
Name	OJ990619_39.9C10.C3.o6.np	Method	AAT/NAP
Start	36008	End	39475
GI	4234852	Score	2084
Exons	36008..39265, 39299..39475		
GI Descrip.	(AF082133) gag-pol polyprotein [Zea mays]		
Seq. No.	31527	Seq. ID	OJ990619_39.9C10.C3
Gene No.	65259	Strand	-
Start	36008	End	39585
Name	OJ990619_39.9C10.C3.o4.tw	Method	TBLASTX:Wheat
Start	36059	End	36422
GI	none	Score	68
Exons	36059..36274, 36282..36422, 36283..36414		
Seq. No.	31527	Seq. ID	OJ990619_39.9C10.C3
Gene No.	65259	Strand	-
Start	36008	End	39585
Name	OJ990619_39.9C10.C3.o12.tm	Method	TBLASTX:Maize
Start	36545	End	36799
GI	none	Score	94
Exons	36545..36799, 36546..36665		
Seq. No.	31527	Seq. ID	OJ990619_39.9C10.C3
Gene No.	65259	Strand	-
Start	36008	End	39585
Name	OJ990619_39.9C10.C3.o1.tw	Method	TBLASTX:Wheat
Start	36605	End	37388
GI	none	Score	57
Exons	36605..36811, 36609..36803, 36744..36980, 36780..36971, 36790..36972, 36790..37008, 37015..37098, 37094..37192, 37109..37192, 37188..37310, 37198..37311, 37307..37387, 37308..37388		
Seq. No.	31527	Seq. ID	OJ990619_39.9C10.C3
Gene No.	65259	Strand	-
Start	36008	End	39585
Name	OJ990619_39.9C10.C3.o8.ts	Method	TBLASTX:Soybean
Start	37094	End	37508
GI	5509260	Score	54
Exons	37094..37195, 37161..37250, 37188..37310, 37307..37507, 37311..37508		
GI Descrip.	-		

Seq. No.	31527	Seq. ID	OJ990619_39.9C10.C3
Gene No.	65259	Strand	-
Start	36008	End	39585
Name	OJ990619_39.9C10.C3.o13.tm	Method	TBLASTX:Maize
Start	37209	End	37508
GI	none	Score	67
Exons	37209..37310, 37307..37507, 37314..37508		

Seq. No.	31527	Seq. ID	OJ990619_39.9C10.C3
Gene No.	65259	Strand	-
Start	36008	End	39585
Name	OJ990619_39.9C10.C3.o9.gp	Method	AAT/GAP
Start	38282	End	38842
GI	uC-osf1cyp006a10b1	Score	777
Exons	38282..38520, 38628..38842		
GI Descrip.	'4234846 7.0e-13 (AF082130) gag-pol polyprotein [Zea mays]'		

Seq. No.	31527	Seq. ID	OJ990619_39.9C10.C3
Gene No.	65259	Strand	-
Start	36008	End	39585
Name	OJ990619_39.9C10.C3.o2.tm	Method	TBLASTX:Maize
Start	38462	End	39382
GI	none	Score	132
Exons	38462..38524, 38629..38721, 38780..39169, 38804..39382, 38814..39260		

Seq. No.	31527	Seq. ID	OJ990619_39.9C10.C3
Gene No.	65259	Strand	-
Start	36008	End	39585
Name	OJ990619_39.9C10.C3.o10.gp	Method	AAT/GAP
Start	39074	End	39585
GI	uC-osf1M202052c07b1	Score	999
Exons	39074..39585		
GI Descrip.	'4234848 1.0e-12 (AF082131) gag-pol polyprotein [Zea mays]'		

Seq. No.	31528	Seq. ID	OJ990619_39.9C10.C4
Gene No.	65260	Strand	+
Start	112	End	6777
Name	OJ990619_39.9C10.C4.o1.gs	Method	GENSCAN
Start	112	End	6777
GI	none	Score	.55
Exons	112..267, 1286..2170, 2188..3232, 3360..4545, 4846..6296, 6302..6777		

Seq. No.	31528	Seq. ID	OJ990619_39.9C10.C4
Gene No.	65260	Strand	+
Start	112	End	6777
Name	OJ990619_39.9C10.C4.o1.np	Method	AAT/NAP
Start	1334	End	6741
GI	5922631	Score	5578
Exons	1334..1458, 1717..1961, 2219..2421, 2467..3038, 3081..3232, 3360..6741		
GI Descrip.	(AP000492) ESTs C26347(C12145),AU078074(C12145) correspond to a region of the predicted gene.; similar to prpol; Zea mays retrotransposon Cinful-1. (AF049110) [Oryza sativa] gi\|6016864\|dbj\|BAA85207.1\| (AP000570) ESTs		

C26347(C12145),AU078074(C12145) correspond to a region of the predicted gene.; Similar to prpol; Zea mays retrotransposon Cinful-1. (AF049110) [Oryza sativ

Seq. No.	31528	Seq. ID	OJ990619_39.9C10.C4
Gene No.	65261	Strand	-
Start	875	End	1634
Name	OJ990619_39.9C10.C4.o1.gp	Method	AAT/GAP
Start	875	End	1634
GI	5816562	Score	652
Exons	875..1287, 1609..1634		
GI Descrip.	6016845/dbj\|AP000570.1\|AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10		

Seq. No.	31528	Seq. ID	OJ990619_39.9C10.C4
Gene No.	65262	Strand	-
Start	7111	End	17096
Name	OJ990619_39.9C10.C4.o7.tw	Method	TBLASTX:Wheat
Start	2643	End	3045
GI	none	Score	279
Exons	2643..2912, 2644..3045		

Seq. No.	31528	Seq. ID	OJ990619_39.9C10.C4
Gene No.	65262	Strand	-
Start	7111	End	17096
Name	OJ990619_39.9C10.C4.o4.tw	Method	TBLASTX:Wheat
Start	3632	End	3955
GI	none	Score	389
Exons	3632..3955, 3649..3954		

Seq. No.	31528	Seq. ID	OJ990619_39.9C10.C4
Gene No.	65262	Strand	-
Start	7111	End	17096
Name	OJ990619_39.9C10.C4.o3.ts	Method	TBLASTX:Soybean
Start	3671	End	4036
GI	none	Score	138
Exons	3671..3895, 3902..4036		

Seq. No.	31528	Seq. ID	OJ990619_39.9C10.C4
Gene No.	65262	Strand	-
Start	7111	End	17096
Name	OJ990619_39.9C10.C4.o3.tm	Method	TBLASTX:Maize
Start	3761	End	4117
GI	none	Score	376
Exons	3761..4117, 3802..4107		

Seq. No.	31528	Seq. ID	OJ990619_39.9C10.C4
Gene No.	65262	Strand	-
Start	7111	End	17096
Name	OJ990619_39.9C10.C4.o1.tw	Method	TBLASTX:Wheat
Start	3986	End	4405
GI	none	Score	496
Exons	3986..4405, 3988..4404		

Seq. No.	31528	Seq. ID	OJ990619_39.9C10.C4
Gene No.	65262	Strand	-
Start	7111	End	17096

Name	OJ990619_39.9C10.C4.o2.tm	Method	TBLASTX:Maize
Start	4145	End	4528
GI	none	Score	376
Exons	4145..4528, 4183..4527		

Seq. No.	31528	Seq. ID	OJ990619_39.9C10.C4
Gene No.	65262	Strand	-
Start	7111	End	17096
Name	OJ990619_39.9C10.C4.o1.ts	Method	TBLASTX:Soybean
Start	4280	End	4681
GI	none	Score	292
Exons	4280..4681, 4297..4440, 4477..4620		

Seq. No.	31528	Seq. ID	OJ990619_39.9C10.C4
Gene No.	65262	Strand	-
Start	7111	End	17096
Name	OJ990619_39.9C10.C4.o5.tw	Method	TBLASTX:Wheat
Start	4450	End	4879
GI	none	Score	389
Exons	4450..4878, 4451..4879		

Seq. No.	31528	Seq. ID	OJ990619_39.9C10.C4
Gene No.	65262	Strand	-
Start	7111	End	17096
Name	OJ990619_39.9C10.C4.o2.ts	Method	TBLASTX:Soybean
Start	4907	End	5295
GI	none	Score	82
Exons	4907..5011, 5047..5127, 5051..5125, 5171..5293, 5176..5295		

Seq. No.	31528	Seq. ID	OJ990619_39.9C10.C4
Gene No.	65262	Strand	-
Start	7111	End	17096
Name	OJ990619_39.9C10.C4.o3.tw	Method	TBLASTX:Wheat
Start	4916	End	5338
GI	none	Score	398
Exons	4916..5338, 4921..5262		

Seq. No.	31528	Seq. ID	OJ990619_39.9C10.C4
Gene No.	65262	Strand	-
Start	7111	End	17096
Name	OJ990619_39.9C10.C4.o5.tm	Method	TBLASTX:Maize
Start	4970	End	5242
GI	none	Score	128
Exons	4970..5140, 4970..5125, 5144..5242, 5176..5241		

Seq. No.	31528	Seq. ID	OJ990619_39.9C10.C4
Gene No.	65262	Strand	-
Start	7111	End	17096
Name	OJ990619_39.9C10.C4.o9.tw	Method	TBLASTX:Wheat
Start	5354	End	5653
GI	none	Score	131
Exons	5354..5488, 5555..5653		

Seq. No.	31528	Seq. ID	OJ990619_39.9C10.C4
Gene No.	65262	Strand	-
Start	7111	End	17096
Name	OJ990619_39.9C10.C4.o1.tm	Method	TBLASTX:Maize

Start	5650	End	6013
GI	none	Score	430
Exons	5650..5973, 5651..5974, 5966..6013		

Seq. No.	31528	Seq. ID	OJ990619_39.9C10.C4
Gene No.	65262	Strand	-
Start	7111	End	17096
Name	OJ990619_39.9C10.C4.o2.tw	Method	TBLASTX:Wheat
Start	5656	End	6045
GI	none	Score	410
Exons	5656..5967, 5657..6043, 5852..6043, 5998..6045		

Seq. No.	31528	Seq. ID	OJ990619_39.9C10.C4
Gene No.	65262	Strand	-
Start	7111	End	17096
Name	OJ990619_39.9C10.C4.o6.tw	Method	TBLASTX:Wheat
Start	6187	End	6765
GI	none	Score	108
Exons	6187..6261, 6188..6271, 6302..6328, 6334..6642, 6336..6440, 6634..6765		

Seq. No.	31528	Seq. ID	OJ990619_39.9C10.C4
Gene No.	65262	Strand	-
Start	7111	End	17096
Name	OJ990619_39.9C10.C4.o4.tm	Method	TBLASTX:Maize
Start	6463	End	6726
GI	none	Score	161
Exons	6463..6645, 6519..6644, 6624..6725, 6624..6725, 6625..6726		

Seq. No.	31528	Seq. ID	OJ990619_39.9C10.C4
Gene No.	65262	Strand	-
Start	7111	End	17096
Name	OJ990619_39.9C10.C4.o2.gs	Method	GENSCAN
Start	7111	End	17096
GI	none	Score	.69
Exons	7111..7259, 7422..7556, 7630..7734, 7806..7915, 10537..10885, 11859..12023, 12101..12459, 12536..12828, 12915..13118, 13632..13838, 15697..15807, 16206..16269, 16296..16507, 17007..17096		

Seq. No.	31528	Seq. ID	OJ990619_39.9C10.C4
Gene No.	65262	Strand	-
Start	7111	End	17096
Name	OJ990619_39.9C10.C4.o2.np	Method	AAT/NAP
Start	7117	End	13799
GI	6691716	Score	2491
Exons	7117..7556, 7630..7734, 7884..7995, 11836..12023, 12101..12280, 12357..12459, 12536..12713, 12911..13799		
GI Descrip.	(AP000492) hypothetical protein [Oryza sativa] gi\|6691717\|dbj\|BAA89397.1\| (AP000570) hypothetical protein [Oryza sativa]		

Seq. No.	31528	Seq. ID	OJ990619_39.9C10.C4
Gene No.	65262	Strand	-
Start	7111	End	17096
Name	OJ990619_39.9C10.C4.o2.gp	Method	AAT/GAP
Start	8544	End	9066

GI	LIB3434-038-P1-K1-F1	Score	777
Exons	8544..9066		
GI Descrip.	'5257255/dbj\|AP000364.1\|AP000364 0.0e+00 Oryza sativa genomic DNA, chromosome 8, clone:P0026F07'		

Seq. No.	31528	Seq. ID	OJ990619_39.9C10.C4
Gene No.	65262	Strand	-
Start	7111	End	17096
Name	OJ990619_39.9C10.C4.o8.tw	Method	TBLASTX:Wheat
Start	13389	End	13680
GI	none	Score	50
Exons	13389..13679, 13426..13494, 13597..13680		

Seq. No.	31528	Seq. ID	OJ990619_39.9C10.C4
Gene No.	65262	Strand	-
Start	7111	End	17096
Name	OJ990619_39.9C10.C4.o3.gp	Method	AAT/GAP
Start	14784	End	15189
GI	5816562	Score	646
Exons	14784..15189		
GI Descrip.	6016845/dbj\|AP000570.1\|AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10		

Seq. No.	31529	Seq. ID	OJ990529_37.9C10.C1
Gene No.	65263	Strand	+
Start	438	End	695
Name	OJ990529_37.9C10.C1.o1.gs	Method	GENSCAN
Start	438	End	695
GI	none	Score	.68
Exons	438..695		

Seq. No.	31529	Seq. ID	OJ990529_37.9C10.C1
Gene No.	65264	Strand	+
Start	1048	End	39557
Name	OJ990529_37.9C10.C1.o2.np	Method	AAT/NAP
Start	1048	End	9099
GI	5091513	Score	1148
Exons	1048..1070, 5798..5853, 6232..6871, 7703..7950, 7997..8306, 8767..8984, 9019..9099		
GI Descrip.	(AB023482) Hypothetical protein [Oryza sativa]		

Seq. No.	31529	Seq. ID	OJ990529_37.9C10.C1
Gene No.	65264	Strand	+
Start	1048	End	39557
Name	OJ990529_37.9C10.C1.o3.np	Method	AAT/NAP
Start	3354	End	39557
GI	462387	Score	172
Exons	3354..3465, 4290..4636, 4672..4783, 15643..15803, 15850..16087, 24934..25449, 37783..37853, 39371..39557		
GI Descrip.	IMMEDIATE-EARLY PROTEIN IE180 gi\|418707\|pir\|\|A45344 immediate-early protein - suid herpesvirus 1 (strain Kaplan) gi\|334071 (M34651) immediate-early protein [Pseudorabies virus]		

Seq. No.	31529	Seq. ID	OJ990529_37.9C10.C1
Gene No.	65264	Strand	+
Start	1048	End	39557
Name	OJ990529_37.9C10.C1.o1.gp	Method	AAT/GAP

Start	4093	End	4555
GI	2427668	Score	875
Exons	4093..4555		

Seq. No.	31529	Seq. ID	OJ990529_37.9C10.C1
Gene No.	65264	Strand	+
Start	1048	End	39557
Name	OJ990529_37.9C10.C1.o3.gs	Method	GENSCAN
Start	11997	End	25926
GI	none	Score	.4
Exons	11997..12047, 13351..13500, 13565..13617, 13883..14069, 14169..14444, 15497..16224, 16329..16484, 16527..16668, 17341..17505, 18036..18314, 19086..19312, 19455..19568, 20120..20307, 21073..22568, 23274..23453, 24892..25336, 25418..25926		

Seq. No.	31529	Seq. ID	OJ990529_37.9C10.C1
Gene No.	65264	Strand	+
Start	1048	End	39557
Name	OJ990529_37.9C10.C1.o4.np	Method	AAT/NAP
Start	20454	End	23815
GI	2760318	Score	47
Exons	20454..20502, 21580..21704, 23776..23815		
GI Descrip.	(AC002130) F1N21.2 [Arabidopsis thaliana]		

Seq. No.	31529	Seq. ID	OJ990529_37.9C10.C1
Gene No.	65264	Strand	+
Start	1048	End	39557
Name	OJ990529_37.9C10.C1.o5.gp	Method	AAT/GAP
Start	36113	End	36422
GI	427610	Score	353
Exons	36113..36259, 36321..36422		
GI Descrip.	5852172/emb\|CAB55410.1\| 4.0e-11 (AL117265) zhb0002.1 [Oryza sativa]		

Seq. No.	31529	Seq. ID	OJ990529_37.9C10.C1
Gene No.	65265	Strand	-
Start	4879	End	5521
Name	OJ990529_37.9C10.C1.o2.gp	Method	AAT/GAP
Start	4879	End	5521
GI	5816518	Score	1194
Exons	4879..5521		
GI Descrip.	4521193/dbj\|AB013450.1\|AB013450 3.0e-40 Oryza sativa DNA, similar sequence to Pib gene		

Seq. No.	31529	Seq. ID	OJ990529_37.9C10.C1
Gene No.	65266	Strand	-
Start	10633	End	10738
Name	OJ990529_37.9C10.C1.o3.gp	Method	AAT/GAP
Start	10633	End	10738
GI	5816518	Score	170
Exons	10633..10738		
GI Descrip.	4521193/dbj\|AB013450.1\|AB013450 3.0e-40 Oryza sativa DNA, similar sequence to Pib gene		

Seq. No.	31529	Seq. ID	OJ990529_37.9C10.C1
Gene No.	65267	Strand	-

Start	28812	End	31922
Name	OJ990529_37.9C10.C1.o4.gs	Method	GENSCAN
Start	28812	End	31922
GI	none	Score	.42
Exons	28812..28845, 28893..29027, 29153..29252, 29275..29378, 29680..29819, 30096..30218, 31920..31922		

Seq. No.	31529	Seq. ID	OJ990529_37.9C10.C1
Gene No.	65268	Strand	-
Start	36280	End	39557
Name	OJ990529_37.9C10.C1.o3.tm	Method	TBLASTX:Maize
Start	228	End	521
GI	none	Score	79
Exons	228..329, 349..468, 351..521, 411..479		

Seq. No.	31529	Seq. ID	OJ990529_37.9C10.C1
Gene No.	65268	Strand	-
Start	36280	End	39557
Name	OJ990529_37.9C10.C1.o1.tw	Method	TBLASTX:Wheat
Start	600	End	947
GI	none	Score	97
Exons	600..761, 600..947, 804..932		

Seq. No.	31529	Seq. ID	OJ990529_37.9C10.C1
Gene No.	65268	Strand	-
Start	36280	End	39557
Name	OJ990529_37.9C10.C1.o1.tm	Method	TBLASTX:Maize
Start	693	End	1192
GI	none	Score	75
Exons	693..779, 697..774, 792..890, 792..947, 950..1162, 975..1163, 995..1192		

Seq. No.	31529	Seq. ID	OJ990529_37.9C10.C1
Gene No.	65268	Strand	-
Start	36280	End	39557
Name	OJ990529_37.9C10.C1.o2.tw	Method	TBLASTX:Wheat
Start	1061	End	1533
GI	none	Score	149
Exons	1061..1177, 1205..1243, 1238..1366, 1300..1533		

Seq. No.	31529	Seq. ID	OJ990529_37.9C10.C1
Gene No.	65268	Strand	-
Start	36280	End	39557
Name	OJ990529_37.9C10.C1.o1.ts	Method	TBLASTX:Soybean
Start	1235	End	1536
GI	none	Score	130
Exons	1235..1339, 1408..1536		

Seq. No.	31529	Seq. ID	OJ990529_37.9C10.C1
Gene No.	65268	Strand	-
Start	36280	End	39557
Name	OJ990529_37.9C10.C1.o2.tm	Method	TBLASTX:Maize
Start	1381	End	1533
GI	none	Score	107
Exons	1381..1533, 1382..1531		

Seq. No.	31529	Seq. ID	OJ990529_37.9C10.C1

Gene No.	65268	Strand	-
Start	36280	End	39557
Name	OJ990529_37.9C10.C1.o5.np	Method	AAT/NAP
Start	36280	End	39557
GI	5852172	Score	124
Exons	36280..36444, 39474..39557		
GI Descrip.	(AL117265) zhb0002.1 [Oryza sativa]		

Seq. No.	31529	Seq. ID	OJ990529_37.9C10.C1
Gene No.	65268	Strand	-
Start	36280	End	39557
Name	OJ990529_37.9C10.C1.o6.gs	Method	GENSCAN
Start	37344	End	39508
GI	none	Score	.82
Exons	37344..37388, 37477..37611, 37753..37917, 38873..39508		

Seq. No.	31530	Seq. ID	OJ990529_37.9C10.C2
Gene No.	65269	Strand	+
Start	226	End	454
Name	OJ990529_37.9C10.C2.o1.gs	Method	GENSCAN
Start	226	End	454
GI	none	Score	.73
Exons	226..360, 449..454		

Seq. No.	31530	Seq. ID	OJ990529_37.9C10.C2
Gene No.	65270	Strand	-
Start	3574	End	6073
Name	OJ990529_37.9C10.C2.o1.np	Method	AAT/NAP
Start	3574	End	5980
GI	4512689	Score	109
Exons	3574..3603, 5829..5980		
GI Descrip.	(AC006931) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	31530	Seq. ID	OJ990529_37.9C10.C2
Gene No.	65270	Strand	-
Start	3574	End	6073
Name	OJ990529_37.9C10.C2.o3.gs	Method	GENSCAN
Start	3791	End	6073
GI	none	Score	.82
Exons	3791..3859, 3937..4077, 4201..4377, 4997..6073		

Seq. No.	31531	Seq. ID	OJ990529_37.9C10.C3
Gene No.	65271	Strand	+
Start	3680	End	3738
Name	OJ990529_37.9C10.C3.o1.gp	Method	AAT/GAP
Start	3680	End	3738
GI	2312838	Score	67
Exons	3680..3738		
GI Descrip.	1420932/gb\|U61383\|ORU61383 7.0e-21 Oryza rufipogon 4-coumarate-CoA ligase gene, intron 1, partial sequence		

Seq. No.	31531	Seq. ID	OJ990529_37.9C10.C3
Gene No.	65272	Strand	+
Start	8993	End	26072
Name	OJ990529_37.9C10.C3.o2.gs	Method	GENSCAN
Start	8993	End	24773
GI	none	Score	.47

Exons	8993..9202, 9302..9616, 10085..10217, 10360..10520, 14549..14625, 14636..14698, 15665..18130, 18142..19919, 21081..21406, 21520..21642, 22508..22666, 22688..22753, 22759..22913, 23237..23256, 23410..24773		
Seq. No.	31531	Seq. ID	OJ990529_37.9C10.C3
Gene No.	65272	Strand	+
Start	8993	End	26072
Name	OJ990529_37.9C10.C3.o2.gp	Method	AAT/GAP
Start	15299	End	15587
GI	426253	Score	518
Exons	15299..15587		
Seq. No.	31531	Seq. ID	OJ990529_37.9C10.C3
Gene No.	65272	Strand	+
Start	8993	End	26072
Name	OJ990529_37.9C10.C3.o1.np	Method	AAT/NAP
Start	16164	End	19966
GI	6630696	Score	6576
Exons	16164..19966		
GI Descrip.	(AP000969) ESTs D22114(C10364), AU076106(E20423) correspond to a region of the predicted gene.; Similar to retrovirus-related pol polyprotein from transposon Tnt 1-94. (P10978) [Oryza sativa]		
Seq. No.	31531	Seq. ID	OJ990529_37.9C10.C3
Gene No.	65272	Strand	+
Start	8993	End	26072
Name	OJ990529_37.9C10.C3.o3.gp	Method	AAT/GAP
Start	16206	End	17096
GI	101595_1.R1084	Score	1451
Exons	16206..16906, 17022..17096		
GI Descrip.	'3047066 3.0e-15 (AF058825) contains similarity to retrovirus-related POL polyproteins [Arabidopsis thaliana]'		
Seq. No.	31531	Seq. ID	OJ990529_37.9C10.C3
Gene No.	65272	Strand	+
Start	8993	End	26072
Name	OJ990529_37.9C10.C3.o4.gp	Method	AAT/GAP
Start	20731	End	21019
GI	426253	Score	522
Exons	20731..21019		
Seq. No.	31531	Seq. ID	OJ990529_37.9C10.C3
Gene No.	65272	Strand	+
Start	8993	End	26072
Name	OJ990529_37.9C10.C3.o2.np	Method	AAT/NAP
Start	23829	End	26072
GI	2213632	Score	605
Exons	23829..24631, 26017..26072		
GI Descrip.	(AC000103) F21J9.24 [Arabidopsis thaliana]		
Seq. No.	31531	Seq. ID	OJ990529_37.9C10.C3
Gene No.	65273	Strand	+
Start	25976	End	32319
Name	OJ990529_37.9C10.C3.o3.gs	Method	GENSCAN
Start	25976	End	32319
GI	none	Score	.72

Exons	25976..26039, 26665..26715, 26844..27027, 28967..29196, 29654..29874, 30338..30541, 31056..31271, 31387..31573, 32015..32319		
Seq. No.	31531	Seq. ID	OJ990529_37.9C10.C3
Gene No.	65273	Strand	+
Start	25976	End	32319
Name	OJ990529_37.9C10.C3.o5.gp	Method	AAT/GAP
Start	26618	End	28174
GI	722_2.R1084	Score	997
Exons	26618..26715, 26844..27027, 27901..28174		
GI Descrip.	'3122724/sp\|O22860\|RL38_ARATH 2.0e-28 60S RIBOSOMAL PROTEIN L38 >gi_2289009 (AC002335) ribosomal protein L38 isolog [Arabidopsis thaliana]'		

Seq. No.	31531	Seq. ID	OJ990529_37.9C10.C3
Gene No.	65273	Strand	+
Start	25976	End	32319
Name	OJ990529_37.9C10.C3.o3.np	Method	AAT/NAP
Start	26841	End	27949
GI	1835729	Score	354
Exons	26841..27027, 27901..27949		
GI Descrip.	(U86017) ribosomal protein [Oryza sativa]		

Seq. No.	31531	Seq. ID	OJ990529_37.9C10.C3
Gene No.	65273	Strand	+
Start	25976	End	32319
Name	OJ990529_37.9C10.C3.o6.gp	Method	AAT/GAP
Start	30343	End	31220
GI	65534_1.R1084	Score	682
Exons	30343..30541, 31056..31220		
GI Descrip.	'1653665/dbj\|BAA18577\| 4.0e-26 (D90915) peptide chain release factor [Synechocystis sp.]'		

Seq. No.	31531	Seq. ID	OJ990529_37.9C10.C3
Gene No.	65273	Strand	+
Start	25976	End	32319
Name	OJ990529_37.9C10.C3.o4.np	Method	AAT/NAP
Start	30359	End	32298
GI	1653665	Score	900
Exons	30359..30541, 31056..31271, 31387..31573, 32015..32298		
GI Descrip.	(D90915) peptide chain release factor [Synechocystis sp.]		

Seq. No.	31531	Seq. ID	OJ990529_37.9C10.C3
Gene No.	65274	Strand	+
Start	34680	End	36177
Name	OJ990529_37.9C10.C3.o4.gs	Method	GENSCAN
Start	34680	End	36177
GI	none	Score	.94
Exons	34680..34874, 34928..34965, 36018..36177		

Seq. No.	31531	Seq. ID	OJ990529_37.9C10.C3
Gene No.	65275	Strand	+
Start	38469	End	38768
Name	OJ990529_37.9C10.C3.o5.gs	Method	GENSCAN
Start	38469	End	38768
GI	none	Score	.95

Exons	38469..38768		
Seq. No.	31531	Seq. ID	OJ990529_37.9C10.C3
Gene No.	65276	Strand	+
Start	42043	End	42788
Name	OJ990529_37.9C10.C3.o6.gs	Method	GENSCAN
Start	42043	End	42788
GI	none	Score	.89
Exons	42043..42137, 42430..42562, 42690..42788		
Seq. No.	31531	Seq. ID	OJ990529_37.9C10.C3
Gene No.	65277	Strand	-
Start	32035	End	32528
Name	OJ990529_37.9C10.C3.o7.gp	Method	AAT/GAP
Start	32035	End	32528
GI	uC-osflcyp067e12a1	Score	940
Exons	32035..32528		
GI Descrip.	'1653665/dbj\|BAA18577\| 9.0e-23 (D90915) peptide chain release factor [Synechocystis sp.]'		
Seq. No.	31531	Seq. ID	OJ990529_37.9C10.C3
Gene No.	65278	Strand	-
Start	43673	End	52835
Name	OJ990529_37.9C10.C3.o5.np	Method	AAT/NAP
Start	43641	End	49200
GI	4835235	Score	363
Exons	43641..43947, 44009..44181, 44547..45616, 49179..49200		
GI Descrip.	(AL049862) putative protein [Arabidopsis thaliana]		
Seq. No.	31531	Seq. ID	OJ990529_37.9C10.C3
Gene No.	65278	Strand	-
Start	43673	End	52835
Name	OJ990529_37.9C10.C3.o7.gs	Method	GENSCAN
Start	43673	End	52835
GI	none	Score	.62
Exons	43673..44181, 44295..44444, 44446..44515, 44547..45678, 46455..46642, 47104..47245, 47761..47848, 51678..51802, 51963..52005, 52149..52279, 52741..52835		
Seq. No.	31531	Seq. ID	OJ990529_37.9C10.C3
Gene No.	65279	Strand	-
Start	54361	End	57813
Name	OJ990529_37.9C10.C3.o4.tw	Method	TBLASTX:Wheat
Start	16058	End	16455
GI	none	Score	128
Exons	16058..16156, 16059..16193, 16170..16454, 16244..16435, 16273..16455, 16324..16455		
Seq. No.	31531	Seq. ID	OJ990529_37.9C10.C3
Gene No.	65279	Strand	-
Start	54361	End	57813
Name	OJ990529_37.9C10.C3.o8.tm	Method	TBLASTX:Maize
Start	16206	End	16514
GI	none	Score	318
Exons	16206..16514, 16253..16435, 16332..16511		
Seq. No.	31531	Seq. ID	OJ990529_37.9C10.C3

Gene No.	65279	Strand	-
Start	54361	End	57813
Name	OJ990529_37.9C10.C3.o2.tm	Method	TBLASTX:Maize
Start	17037	End	17381
GI	none	Score	391
Exons	17037..17309, 17038..17310, 17039..17311, 17039..17311, 17340..17381		

Seq. No.	31531	Seq. ID	OJ990529_37.9C10.C3
Gene No.	65279	Strand	-
Start	54361	End	57813
Name	OJ990529_37.9C10.C3.o8.ts	Method	TBLASTX:Soybean
Start	17355	End	17735
GI	none	Score	88
Exons	17355..17504, 17487..17735		

Seq. No.	31531	Seq. ID	OJ990529_37.9C10.C3
Gene No.	65279	Strand	-
Start	54361	End	57813
Name	OJ990529_37.9C10.C3.o9.tm	Method	TBLASTX:Maize
Start	17493	End	17957
GI	none	Score	305
Exons	17493..17957, 17732..17950		

Seq. No.	31531	Seq. ID	OJ990529_37.9C10.C3
Gene No.	65279	Strand	-
Start	54361	End	57813
Name	OJ990529_37.9C10.C3.o7.tw	Method	TBLASTX:Wheat
Start	17600	End	17800
GI	none	Score	269
Exons	17600..17800, 17601..17798, 17608..17799		

Seq. No.	31531	Seq. ID	OJ990529_37.9C10.C3
Gene No.	65279	Strand	-
Start	54361	End	57813
Name	OJ990529_37.9C10.C3.o6.ts	Method	TBLASTX:Soybean
Start	17745	End	17966
GI	none	Score	207
Exons	17745..17966, 17747..17962		

Seq. No.	31531	Seq. ID	OJ990529_37.9C10.C3
Gene No.	65279	Strand	-
Start	54361	End	57813
Name	OJ990529_37.9C10.C3.o1.tw	Method	TBLASTX:Wheat
Start	17801	End	18547
GI	none	Score	208
Exons	17801..18091, 17801..18091, 17808..18092, 17812..18114, 18068..18547, 18088..18297, 18358..18543, 18365..18547		

Seq. No.	31531	Seq. ID	OJ990529_37.9C10.C3
Gene No.	65279	Strand	-
Start	54361	End	57813
Name	OJ990529_37.9C10.C3.o1.ts	Method	TBLASTX:Soybean
Start	18467	End	18931
GI	5509260	Score	375
Exons	18467..18931, 18562..18723, 18754..18783		
GI Descrip.	-		

Seq. No.	31531	Seq. ID	OJ990529_37.9C10.C3
Gene No.	65279	Strand	-
Start	54361	End	57813
Name	OJ990529_37.9C10.C3.o3.tc	Method	TBLASTX:Cress
Start	18554	End	18820
GI	none	Score	281
Exons	18554..18811, 18560..18820		

Seq. No.	31531	Seq. ID	OJ990529_37.9C10.C3
Gene No.	65279	Strand	-
Start	54361	End	57813
Name	OJ990529_37.9C10.C3.o7.tm	Method	TBLASTX:Maize
Start	18608	End	19066
GI	none	Score	349
Exons	18608..19066, 18616..18723, 18737..18817, 18853..18963		

Seq. No.	31531	Seq. ID	OJ990529_37.9C10.C3
Gene No.	65279	Strand	-
Start	54361	End	57813
Name	OJ990529_37.9C10.C3.o3.tw	Method	TBLASTX:Wheat
Start	18617	End	19147
GI	none	Score	307
Exons	18617..18946, 18619..18783, 18941..19147		

Seq. No.	31531	Seq. ID	OJ990529_37.9C10.C3
Gene No.	65279	Strand	-
Start	54361	End	57813
Name	OJ990529_37.9C10.C3.o3.ts	Method	TBLASTX:Soybean
Start	19000	End	19348
GI	none	Score	146
Exons	19000..19164, 19001..19159, 19159..19347, 19160..19348		

Seq. No.	31531	Seq. ID	OJ990529_37.9C10.C3
Gene No.	65279	Strand	-
Start	54361	End	57813
Name	OJ990529_37.9C10.C3.o6.tm	Method	TBLASTX:Maize
Start	19127	End	19499
GI	none	Score	355
Exons	19127..19498, 19150..19497, 19251..19499		

Seq. No.	31531	Seq. ID	OJ990529_37.9C10.C3
Gene No.	65279	Strand	-
Start	54361	End	57813
Name	OJ990529_37.9C10.C3.o2.tw	Method	TBLASTX:Wheat
Start	19355	End	19830
GI	none	Score	105
Exons	19355..19429, 19360..19428, 19444..19830, 19445..19828		

Seq. No.	31531	Seq. ID	OJ990529_37.9C10.C3
Gene No.	65279	Strand	-
Start	54361	End	57813
Name	OJ990529_37.9C10.C3.o5.ts	Method	TBLASTX:Soybean
Start	19361	End	19702
GI	none	Score	97
Exons	19361..19474, 19396..19464, 19493..19702, 19498..19623		

Seq. No.	31531	Seq. ID	OJ990529_37.9C10.C3
Gene No.	65279	Strand	-
Start	54361	End	57813
Name	OJ990529_37.9C10.C3.o8.tw	Method	TBLASTX:Wheat
Start	23544	End	23939
GI	none	Score	209
Exons	23544..23939, 23618..23896		

Seq. No.	31531	Seq. ID	OJ990529_37.9C10.C3
Gene No.	65279	Strand	-
Start	54361	End	57813
Name	OJ990529_37.9C10.C3.o3.tm	Method	TBLASTX:Maize
Start	23610	End	24182
GI	none	Score	335
Exons	23610..24074, 23969..24076, 24132..24182, 24136..24180		

Seq. No.	31531	Seq. ID	OJ990529_37.9C10.C3
Gene No.	65279	Strand	-
Start	54361	End	57813
Name	OJ990529_37.9C10.C3.o5.tw	Method	TBLASTX:Wheat
Start	23943	End	24347
GI	none	Score	196
Exons	23943..24095, 23956..24096, 23957..24094, 24111..24341, 24111..24347		

Seq. No.	31531	Seq. ID	OJ990529_37.9C10.C3
Gene No.	65279	Strand	-
Start	54361	End	57813
Name	OJ990529_37.9C10.C3.o11.tm	Method	TBLASTX:Maize
Start	24183	End	24548
GI	none	Score	192
Exons	24183..24443, 24270..24428, 24431..24481, 24483..24548		

Seq. No.	31531	Seq. ID	OJ990529_37.9C10.C3
Gene No.	65279	Strand	-
Start	54361	End	57813
Name	OJ990529_37.9C10.C3.o9.tw	Method	TBLASTX:Wheat
Start	24351	End	24569
GI	none	Score	184
Exons	24351..24569		

Seq. No.	31531	Seq. ID	OJ990529_37.9C10.C3
Gene No.	65279	Strand	-
Start	54361	End	57813
Name	OJ990529_37.9C10.C3.o6.tw	Method	TBLASTX:Wheat
Start	26825	End	27991
GI	none	Score	164
Exons	26825..26947, 26843..27028, 26844..27029, 27898..27948, 27929..27991		

Seq. No.	31531	Seq. ID	OJ990529_37.9C10.C3
Gene No.	65279	Strand	-
Start	54361	End	57813
Name	OJ990529_37.9C10.C3.o10.tm	Method	TBLASTX:Maize
Start	26843	End	27079
GI	none	Score	305
Exons	26843..27079, 26844..27029		

Seq. No.	31531	Seq. ID	OJ990529_37.9C10.C3
Gene No.	65279	Strand	-
Start	54361	End	57813
Name	OJ990529_37.9C10.C3.o2.tc	Method	TBLASTX:Cress
Start	26843	End	27067
GI	none	Score	291
Exons	26843..27067, 26844..27029		

Seq. No.	31531	Seq. ID	OJ990529_37.9C10.C3
Gene No.	65279	Strand	-
Start	54361	End	57813
Name	OJ990529_37.9C10.C3.o2.ts	Method	TBLASTX:Soybean
Start	26843	End	27029
GI	none	Score	297
Exons	26843..27028, 26844..27029		

Seq. No.	31531	Seq. ID	OJ990529_37.9C10.C3
Gene No.	65279	Strand	-
Start	54361	End	57813
Name	OJ990529_37.9C10.C3.o4.tm	Method	TBLASTX:Maize
Start	29461	End	30553
GI	none	Score	95
Exons	29461..29538, 29463..29552, 29651..29725, 29653..29877, 29653..29883, 29654..29884, 29774..29896, 30329..30553, 30332..30541		

Seq. No.	31531	Seq. ID	OJ990529_37.9C10.C3
Gene No.	65279	Strand	-
Start	54361	End	57813
Name	OJ990529_37.9C10.C3.o5.tc	Method	TBLASTX:Cress
Start	29644	End	30412
GI	none	Score	233
Exons	29644..29877, 30338..30412		

Seq. No.	31531	Seq. ID	OJ990529_37.9C10.C3
Gene No.	65279	Strand	-
Start	54361	End	57813
Name	OJ990529_37.9C10.C3.o1.tc	Method	TBLASTX:Cress
Start	31061	End	31494
GI	none	Score	310
Exons	31061..31261, 31062..31271, 31378..31494, 31387..31479		

Seq. No.	31531	Seq. ID	OJ990529_37.9C10.C3
Gene No.	65279	Strand	-
Start	54361	End	57813
Name	OJ990529_37.9C10.C3.o1.tm	Method	TBLASTX:Maize
Start	31086	End	32081
GI	none	Score	322
Exons	31086..31271, 31088..31270, 31093..31272, 31188..31271, 31192..31275, 31377..31568, 31378..31569, 31387..31572, 31499..31582, 32009..32071, 32011..32079, 32013..32081		

Seq. No.	31531	Seq. ID	OJ990529_37.9C10.C3
Gene No.	65279	Strand	-
Start	54361	End	57813
Name	OJ990529_37.9C10.C3.o7.ts	Method	TBLASTX:Soybean

Start	32016	End	32286
GI	none	Score	207
Exons	32016..32204, 32017..32286		

Seq. No.	31531	Seq. ID	OJ990529_37.9C10.C3
Gene No.	65279	Strand	-
Start	54361	End	57813
Name	OJ990529_37.9C10.C3.o4.tc	Method	TBLASTX:Cress
Start	32110	End	32315
GI	none	Score	255
Exons	32110..32295, 32121..32315		

Seq. No.	31531	Seq. ID	OJ990529_37.9C10.C3
Gene No.	65279	Strand	-
Start	54361	End	57813
Name	OJ990529_37.9C10.C3.o5.tm	Method	TBLASTX:Maize
Start	43780	End	44119
GI	none	Score	219
Exons	43780..43920, 43781..43954, 43930..43989, 44014..44118, 44021..44119		

Seq. No.	31531	Seq. ID	OJ990529_37.9C10.C3
Gene No.	65279	Strand	-
Start	54361	End	57813
Name	OJ990529_37.9C10.C3.o4.ts	Method	TBLASTX:Soybean
Start	44008	End	44960
GI	none	Score	93
Exons	44008..44184, 44541..44726, 44547..44714, 44724..44960		

Seq. No.	31531	Seq. ID	OJ990529_37.9C10.C3
Gene No.	65279	Strand	-
Start	54361	End	57813
Name	OJ990529_37.9C10.C3.o8.gs	Method	GENSCAN
Start	54361	End	57813
GI	none	Score	.58
Exons	54361..54516, 54555..54695, 57422..57813		

Seq. No.	31532	Seq. ID	OJ990529_37.9C10.C4
Gene No.	65280	Strand	+
Start	1	End	452
Name	OJ990529_37.9C10.C4.o1.np	Method	AAT/NAP
Start	1	End	452
GI	6907106	Score	399
Exons	1..246, 283..452		
GI Descrip.	(AP001129) EST AU068291(C12960) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	31532	Seq. ID	OJ990529_37.9C10.C4
Gene No.	65281	Strand	+
Start	4289	End	6257
Name	OJ990529_37.9C10.C4.o2.gs	Method	GENSCAN
Start	4289	End	6257
GI	none	Score	.63
Exons	4289..4370, 5781..6067, 6243..6257		

Seq. No.	31532	Seq. ID	OJ990529_37.9C10.C4
Gene No.	65282	Strand	-

Start	8338	End	10929
Name	OJ990529_37.9C10.C4.o2.tm	Method	TBLASTX:Maize
Start	23	End	353
GI	none	Score	124
Exons	23..145, 23..157, 46..168, 48..164, 91..165, 144..218, 168..236, 169..237, 169..225, 169..267, 223..333, 306..353, 308..346		

Seq. No.	31532	Seq. ID	OJ990529_37.9C10.C4
Gene No.	65282	Strand	-
Start	8338	End	10929
Name	OJ990529_37.9C10.C4.o3.gs	Method	GENSCAN
Start	8338	End	10929
GI	none	Score	.44
Exons	8338..8646, 9260..9677, 10224..10288, 10927..10929		

Seq. No.	31532	Seq. ID	OJ990529_37.9C10.C4
Gene No.	65282	Strand	-
Start	8338	End	10929
Name	OJ990529_37.9C10.C4.o2.gp	Method	AAT/GAP
Start	8965	End	9270
GI	none	Score	596
Exons	8965..9270		

Seq. No.	31532	Seq. ID	OJ990529_37.9C10.C4
Gene No.	65282	Strand	-
Start	8338	End	10929
Name	OJ990529_37.9C10.C4.o1.tm	Method	TBLASTX:Maize
Start	9158	End	10463
GI	none	Score	89
Exons	9158..9268, 9158..9286, 9172..9270, 9189..9272, 9267..9467, 9272..9511, 9458..9679, 9469..9693, 9476..9679, 10223..10291, 10224..10289, 10416..10463, 10417..10458		

Seq. No.	31532	Seq. ID	OJ990529_37.9C10.C4
Gene No.	65282	Strand	-
Start	8338	End	10929
Name	OJ990529_37.9C10.C4.o3.gp	Method	AAT/GAP
Start	9461	End	10821
GI	none	Score	577
Exons	9461..9677, 10224..10288, 10419..10456, 10783..10821		

Seq. No.	31533	Seq. ID	OJ990529_37.9C10.C5
Gene No.	65283	Strand	-
Start	215	End	8022
Name	OJ990529_37.9C10.C5.o5.tm	Method	TBLASTX:Maize
Start	202	End	460
GI	none	Score	163
Exons	202..411, 202..444, 215..460		

Seq. No.	31533	Seq. ID	OJ990529_37.9C10.C5
Gene No.	65283	Strand	-
Start	215	End	8022
Name	OJ990529_37.9C10.C5.o1.gp	Method	AAT/GAP
Start	215	End	316
GI	none	Score	178
Exons	215..316		

Seq. No.	31533	Seq. ID	OJ990529_37.9C10.C5
Gene No.	65283	Strand	-
Start	215	End	8022
Name	OJ990529_37.9C10.C5.o1.gs	Method	GENSCAN
Start	215	End	5411
GI	none	Score	.71
Exons	215..408, 640..687, 838..1402, 1500..1673, 2639..2888, 3108..3245, 4060..4115, 5338..5411		

Seq. No.	31533	Seq. ID	OJ990529_37.9C10.C5
Gene No.	65283	Strand	-
Start	215	End	8022
Name	OJ990529_37.9C10.C5.o3.tm	Method	TBLASTX:Maize
Start	637	End	1042
GI	none	Score	95
Exons	637..726, 637..684, 638..727, 639..728, 669..728, 733..927, 775..927, 816..935, 824..937, 951..983, 971..1042, 982..1041		

Seq. No.	31533	Seq. ID	OJ990529_37.9C10.C5
Gene No.	65283	Strand	-
Start	215	End	8022
Name	OJ990529_37.9C10.C5.o1.np	Method	AAT/NAP
Start	1187	End	1594
GI	6554200	Score	139
Exons	1187..1405, 1500..1594		
GI Descrip.	(AC011661) T23J18.15 [Arabidopsis thaliana]		

Seq. No.	31533	Seq. ID	OJ990529_37.9C10.C5
Gene No.	65283	Strand	-
Start	215	End	8022
Name	OJ990529_37.9C10.C5.o2.gp	Method	AAT/GAP
Start	2334	End	3155
GI	40259_1.R1084	Score	1151
Exons	2334..2888, 3108..3155		
GI Descrip.	'2146741/pir\|\|S71370 3.0e-48 isopentenyl-diphosphate Delta-isomerase (EC 5.3.3.2) - Arabidopsis thaliana >gi_1293565 (U49259) isopentenyl diphosphate:dimethylallyl diphosphate isomerase [Arabidopsis thaliana]'		

Seq. No.	31533	Seq. ID	OJ990529_37.9C10.C5
Gene No.	65283	Strand	-
Start	215	End	8022
Name	OJ990529_37.9C10.C5.o1.tm	Method	TBLASTX:Maize
Start	2577	End	4131
GI	none	Score	191
Exons	2577..2822, 2577..2822, 2632..2886, 2638..2889, 2639..2893, 3108..3245, 3109..3246, 3110..3247, 3332..3451, 3336..3440, 3853..3987, 3871..3960, 3875..3961, 3876..3989, 4058..4114, 4059..4127, 4060..4131		

Seq. No.	31533	Seq. ID	OJ990529_37.9C10.C5
Gene No.	65283	Strand	-
Start	215	End	8022
Name	OJ990529_37.9C10.C5.o1.ts	Method	TBLASTX:Soybean
Start	2631	End	2889
GI	none	Score	84
Exons	2631..2819, 2635..2886, 2636..2821, 2641..2889		

Seq. No.	31533	Seq. ID	OJ990529_37.9C10.C5
Gene No.	65283	Strand	-
Start	215	End	8022
Name	OJ990529_37.9C10.C5.o2.np	Method	AAT/NAP
Start	2638	End	5460
GI	6856560	Score	1162
Exons	2638..2888, 3108..3245, 3337..3439, 3871..3962, 4060..4115, 5338..5460		
GI Descrip.	(AF188065) isopentenyl pyrophosphate:dimethyllallyl pyrophosphate isomerase [Oryza sativa]		

Seq. No.	31533	Seq. ID	OJ990529_37.9C10.C5
Gene No.	65283	Strand	-
Start	215	End	8022
Name	OJ990529_37.9C10.C5.o1.tc	Method	TBLASTX:Cress
Start	2641	End	4127
GI	none	Score	199
Exons	2641..2889, 2642..2893, 3109..3246, 3110..3247, 3326..3448, 3332..3451, 3336..3455, 3349..3501, 3865..3969, 3871..3978, 4058..4114, 4059..4127		

Seq. No.	31533	Seq. ID	OJ990529_37.9C10.C5
Gene No.	65283	Strand	-
Start	215	End	8022
Name	OJ990529_37.9C10.C5.o1.tw	Method	TBLASTX:Wheat
Start	2681	End	3254
GI	none	Score	131
Exons	2681..2821, 2682..2822, 2683..2886, 2683..2889, 3108..3254, 3109..3246, 3113..3250		

Seq. No.	31533	Seq. ID	OJ990529_37.9C10.C5
Gene No.	65283	Strand	-
Start	215	End	8022
Name	OJ990529_37.9C10.C5.o3.gp	Method	AAT/GAP
Start	2851	End	3475
GI	LIB3434-055-P1-K1-C11	Score	357
Exons	2851..2888, 3110..3245, 3337..3475		
GI Descrip.	'1085973/pir\|\|S49588 1.0e-25 isopentyl pyrophosphate isomerase - Clarkia breweri (fragment) >gi_572635_emb_CAA57947_ (X82627) isopentenyl pyrophosphate isomerase [Clarkia breweri]'		

Seq. No.	31533	Seq. ID	OJ990529_37.9C10.C5
Gene No.	65283	Strand	-
Start	215	End	8022
Name	OJ990529_37.9C10.C5.o2.ts	Method	TBLASTX:Soybean
Start	3119	End	4127
GI	none	Score	106
Exons	3119..3247, 3119..3238, 3121..3261, 3121..3246, 3326..3448, 3332..3451, 3336..3455, 3337..3465, 3337..3477, 3871..3987, 3871..3978, 3876..3986, 4058..4114, 4059..4127, 4065..4118		

Seq. No.	31533	Seq. ID	OJ990529_37.9C10.C5
Gene No.	65283	Strand	-
Start	215	End	8022
Name	OJ990529_37.9C10.C5.o5.gp	Method	AAT/GAP
Start	3869	End	4115

GI	LIB3479-011-Q6-K1-E2	Score	243
Exons	3869..3962, 4060..4115		
GI Descrip.	'2832625/emb\|CAA16754.1\| 3.0e-29 (AL021711) putative protein [Arabidopsis thaliana]'		

Seq. No.	31533	Seq. ID	OJ990529_37.9C10.C5
Gene No.	65283	Strand	-
Start	215	End	8022
Name	OJ990529_37.9C10.C5.o3.np	Method	AAT/NAP
Start	4150	End	8022
GI	2832625	Score	459
Exons	4150..4197, 7060..7227, 7481..7693, 7808..8022		
GI Descrip.	(AL021711) putative protein [Arabidopsis thaliana]		

Seq. No.	31533	Seq. ID	OJ990529_37.9C10.C5
Gene No.	65283	Strand	-
Start	215	End	8022
Name	OJ990529_37.9C10.C5.o6.gp	Method	AAT/GAP
Start	5338	End	5525
GI	LIB3479-011-Q6-K1-E2	Score	247
Exons	5338..5473, 5500..5525		
GI Descrip.	'2832625/emb\|CAA16754.1\| 3.0e-29 (AL021711) putative protein [Arabidopsis thaliana]'		

Seq. No.	31533	Seq. ID	OJ990529_37.9C10.C5
Gene No.	65283	Strand	-
Start	215	End	8022
Name	OJ990529_37.9C10.C5.o2.gs	Method	GENSCAN
Start	6443	End	7951
GI	none	Score	.86
Exons	6443..6615, 7077..7227, 7664..7693, 7808..7951		

Seq. No.	31533	Seq. ID	OJ990529_37.9C10.C5
Gene No.	65283	Strand	-
Start	215	End	8022
Name	OJ990529_37.9C10.C5.o7.gp	Method	AAT/GAP
Start	6714	End	7130
GI	3768724	Score	782
Exons	6714..7130		

Seq. No.	31533	Seq. ID	OJ990529_37.9C10.C5
Gene No.	65283	Strand	-
Start	215	End	8022
Name	OJ990529_37.9C10.C5.o4.tm	Method	TBLASTX:Maize
Start	7021	End	7570
GI	none	Score	205
Exons	7021..7227, 7025..7183, 7035..7229, 7036..7233, 7158..7232, 7458..7568, 7469..7570, 7469..7570		

Seq. No.	31533	Seq. ID	OJ990529_37.9C10.C5
Gene No.	65283	Strand	-
Start	215	End	8022
Name	OJ990529_37.9C10.C5.o2.tc	Method	TBLASTX:Cress
Start	7054	End	7227
GI	none	Score	83
Exons	7054..7227, 7055..7177		

Seq. No.	31533	Seq. ID	OJ990529_37.9C10.C5
Gene No.	65283	Strand	-
Start	215	End	8022
Name	OJ990529_37.9C10.C5.o4.ts	Method	TBLASTX:Soybean
Start	7057	End	7227
GI	none	Score	75
Exons	7057..7227, 7061..7183		

Seq. No.	31533	Seq. ID	OJ990529_37.9C10.C5
Gene No.	65283	Strand	-
Start	215	End	8022
Name	OJ990529_37.9C10.C5.o2.tw	Method	TBLASTX:Wheat
Start	7503	End	7711
GI	none	Score	248
Exons	7503..7694, 7503..7688, 7505..7711, 7505..7708		

Seq. No.	31533	Seq. ID	OJ990529_37.9C10.C5
Gene No.	65283	Strand	-
Start	215	End	8022
Name	OJ990529_37.9C10.C5.o3.ts	Method	TBLASTX:Soybean
Start	7529	End	7952
GI	none	Score	134
Exons	7529..7696, 7533..7760, 7838..7951, 7845..7952		

Seq. No.	31533	Seq. ID	OJ990529_37.9C10.C5
Gene No.	65283	Strand	-
Start	215	End	8022
Name	OJ990529_37.9C10.C5.o2.tm	Method	TBLASTX:Maize
Start	7582	End	7997
GI	none	Score	164
Exons	7582..7695, 7583..7696, 7583..7768, 7788..7997, 7791..7973, 7838..7981		

Seq. No.	31533	Seq. ID	OJ990529_37.9C10.C5
Gene No.	65283	Strand	-
Start	215	End	8022
Name	OJ990529_37.9C10.C5.o8.gp	Method	AAT/GAP
Start	7605	End	7951
GI	701734	Score	371
Exons	7605..7693, 7808..7951		
GI Descrip.	2832625/emb\|CAA16754.1\| 3.0e-29 (AL021711) putative protein [Arabidopsis thaliana]		

Seq. No.	31534	Seq. ID	OJ990519_26.9C03.C2
Gene No.	65284	Strand	-
Start	1	End	508
Name	OJ990519_26.9C03.C2.o1.np	Method	AAT/NAP
Start	1	End	508
GI	2586082	Score	269
Exons	1..259, 349..508		
GI Descrip.	(U72725) retrofit [Oryza longistaminata]		

Seq. No.	31534	Seq. ID	OJ990519_26.9C03.C2
Gene No.	65284	Strand	-
Start	1	End	508
Name	OJ990519_26.9C03.C2.o1.gs	Method	GENSCAN
Start	47	End	494

GI	none	Score	.6
Exons	47..494		

Seq. No.	31535	Seq. ID	OJ990519_26.9C03.C3
Gene No.	65285	Strand	+
Start	59	End	394
Name	OJ990519_26.9C03.C3.o1.gs	Method	GENSCAN
Start	59	End	394
GI	none	Score	.97
Exons	59..394		

Seq. No.	31535	Seq. ID	OJ990519_26.9C03.C3
Gene No.	65285	Strand	+
Start	59	End	394
Name	OJ990519_26.9C03.C3.o1.np	Method	AAT/NAP
Start	110	End	391
GI	6498441	Score	437
Exons	110..391		
GI Descrip.	(AP000815) EST C72786(E2258) corresponds to a region of the predicted gene.; Similar to Sorghum bicolor Gypsy-Ty3 type retrotransposon RetroSor1. (AF098806) [Oryza sativa]		

Seq. No.	31535	Seq. ID	OJ990519_26.9C03.C3
Gene No.	65286	Strand	+
Start	20244	End	22864
Name	OJ990519_26.9C03.C3.o5.gs	Method	GENSCAN
Start	20244	End	22670
GI	none	Score	.86
Exons	20244..22670		

Seq. No.	31535	Seq. ID	OJ990519_26.9C03.C3
Gene No.	65286	Strand	+
Start	20244	End	22864
Name	OJ990519_26.9C03.C3.o5.np	Method	AAT/NAP
Start	20749	End	22864
GI	6498441	Score	2501
Exons	20749..21813, 22144..22607, 22671..22864		
GI Descrip.	(AP000815) EST C72786(E2258) corresponds to a region of the predicted gene.; Similar to Sorghum bicolor Gypsy-Ty3 type retrotransposon RetroSor1. (AF098806) [Oryza sativa]		

Seq. No.	31535	Seq. ID	OJ990519_26.9C03.C3
Gene No.	65287	Strand	-
Start	1035	End	8685
Name	OJ990519_26.9C03.C3.o2.gs	Method	GENSCAN
Start	1035	End	8685
GI	none	Score	.66
Exons	1035..1822, 1900..1944, 2209..2331, 2381..2624, 2982..3115, 3164..3409, 3839..3961, 5346..5472, 6164..7331, 7424..8685		

Seq. No.	31535	Seq. ID	OJ990519_26.9C03.C3
Gene No.	65287	Strand	-
Start	1035	End	8685
Name	OJ990519_26.9C03.C3.o2.np	Method	AAT/NAP
Start	1038	End	8685
GI	6907089	Score	4092
Exons	1038..1748, 6164..7331, 7424..8685		

GI Descrip. (AP001129) hypothetical protein [Oryza sativa]

Seq. No.	31535	Seq. ID	OJ990519_26.9C03.C3
Gene No.	65288	Strand	-
Start	9528	End	10368
Name	OJ990519_26.9C03.C3.o3.np	Method	AAT/NAP
Start	9528	End	10368
GI	5922623	Score	367
Exons	9528..9603, 9771..9918, 10288..10368		
GI Descrip.	(AP000492) hypothetical protein [Oryza sativa] gi\|6016856\|dbj\|BAA85199.1\| (AP000570) hypothetical protein [Oryza sativa]		

Seq. No.	31535	Seq. ID	OJ990519_26.9C03.C3
Gene No.	65289	Strand	-
Start	12333	End	16851
Name	OJ990519_26.9C03.C3.o2.tm	Method	TBLASTX:Maize
Start	251	End	397
GI	none	Score	186
Exons	251..397, 256..372		

Seq. No.	31535	Seq. ID	OJ990519_26.9C03.C3
Gene No.	65289	Strand	-
Start	12333	End	16851
Name	OJ990519_26.9C03.C3.o3.tw	Method	TBLASTX:Wheat
Start	3215	End	3863
GI	none	Score	90
Exons	3215..3283, 3369..3659, 3680..3832, 3684..3863		

Seq. No.	31535	Seq. ID	OJ990519_26.9C03.C3
Gene No.	65289	Strand	-
Start	12333	End	16851
Name	OJ990519_26.9C03.C3.o1.ts	Method	TBLASTX:Soybean
Start	3471	End	3845
GI	none	Score	107
Exons	3471..3665, 3660..3845		

Seq. No.	31535	Seq. ID	OJ990519_26.9C03.C3
Gene No.	65289	Strand	-
Start	12333	End	16851
Name	OJ990519_26.9C03.C3.o4.gs	Method	GENSCAN
Start	12333	End	16729
GI	none	Score	63
Exons	12333..12476, 12546..12629, 12668..12829, 12894..13038, 13294..13559, 15017..15197, 15433..15488, 16492..16565, 16591..16729		

Seq. No.	31535	Seq. ID	OJ990519_26.9C03.C3
Gene No.	65289	Strand	-
Start	12333	End	16851
Name	OJ990519_26.9C03.C3.o4.np	Method	AAT/NAP
Start	14426	End	16851
GI	6006367	Score	71
Exons	14426..14455, 15930..16052, 16428..16644, 16674..16851		
GI Descrip.	(AP000559) hypothetical protein [Oryza sativa]		

Seq. No.	31535	Seq. ID	OJ990519_26.9C03.C3

Gene No.	65290	Strand	
Start	20898	End	21290
Name	OJ990519_26.9C03.C3.o2.tw	Method	TBLASTX:Wheat
Start	20898	End	21290
GI	none	Score	58
Exons	20898..20945, 20952..21050, 20957..21049, 21017..21256, 21033..21290		

Seq. No.	31535	Seq. ID	OJ990519_26.9C03.C3
Gene No.	65290	Strand	
Start	20898	End	21290
Name	OJ990519_26.9C03.C3.o1.tm	Method	TBLASTX:Maize
Start	20903	End	21188
GI	none	Score	197
Exons	20903..21187, 20940..21188		

Seq. No.	31535	Seq. ID	OJ990519_26.9C03.C3
Gene No.	65291	Strand	
Start	22028	End	22799
Name	OJ990519_26.9C03.C3.o1.tw	Method	TBLASTX:Wheat
Start	22028	End	22799
GI	none	Score	404
Exons	22028..22165, 22029..22487, 22223..22483, 22602..22799, 22602..22784, 22655..22798		

Seq. No.	31536	Seq. ID	OJ990519_26.9C03.C4
Gene No.	65292	Strand	+
Start	617	End	6263
Name	OJ990519_26.9C03.C4.o1.np	Method	AAT/NAP
Start	617	End	6263
GI	6498441	Score	6786
Exons	617..1680, 2011..2474, 2538..2911, 3095..3229, 3404..3692, 3885..4319, 4491..5888, 5982..6263		
GI Descrip.	(AP000815) EST C72786(E2258) corresponds to a region of the predicted gene.; Similar to Sorghum bicolor Gypsy-Ty3 type retrotransposon RetroSor1. (AF098806) [Oryza sativa]		

Seq. No.	31536	Seq. ID	OJ990519_26.9C03.C4
Gene No.	65293	Strand	+
Start	9421	End	9903
Name	OJ990519_26.9C03.C4.o3.np	Method	AAT/NAP
Start	9421	End	9903
GI	5042454	Score	271
Exons	9421..9617, 9850..9903		
GI Descrip.	(AC007789) putative polyprotein [Oryza sativa]		

Seq. No.	31536	Seq. ID	OJ990519_26.9C03.C4
Gene No.	65294	Strand	+
Start	13322	End	15637
Name	OJ990519_26.9C03.C4.o3.gs	Method	GENSCAN
Start	13322	End	15637
GI	none	Score	.46
Exons	13322..13714, 15443..15637		

Seq. No.	31536	Seq. ID	OJ990519_26.9C03.C4
Gene No.	65295	Strand	-
Start	6909	End	9157

Name	OJ990519_26.9C03.C4.o2.gs	Method	GENSCAN
Start	6909	End	8558
GI	none	Score	.96
Exons	6909..8558		

Seq. No.	31536	Seq. ID	OJ990519_26.9C03.C4
Gene No.	65295	Strand	-
Start	6909	End	9157
Name	OJ990519_26.9C03.C4.o2.np	Method	AAT/NAP
Start	6912	End	9157
GI	5803259	Score	2349
Exons	6912..8761, 8886..9157		
GI Descrip.	(AP000399) hypothetical protein [Oryza sativa]		

Seq. No.	31536	Seq. ID	OJ990519_26.9C03.C4
Gene No.	65296	Strand	-
Start	14083	End	15252
Name	OJ990519_26.9C03.C4.o6.tw	Method	TBLASTX:Wheat
Start	765	End	1157
GI	none	Score	58
Exons	765..812, 819..917, 836..916, 884..1123, 900..1157		

Seq. No.	31536	Seq. ID	OJ990519_26.9C03.C4
Gene No.	65296	Strand	-
Start	14083	End	15252
Name	OJ990519_26.9C03.C4.o5.tm	Method	TBLASTX:Maize
Start	770	End	1055
GI	none	Score	193
Exons	770..1054, 807..1055		

Seq. No.	31536	Seq. ID	OJ990519_26.9C03.C4
Gene No.	65296	Strand	-
Start	14083	End	15252
Name	OJ990519_26.9C03.C4.o3.tw	Method	TBLASTX:Wheat
Start	1895	End	2381
GI	none	Score	411
Exons	1895..2068, 1896..2381, 2090..2377		

Seq. No.	31536	Seq. ID	OJ990519_26.9C03.C4
Gene No.	65296	Strand	-
Start	14083	End	15252
Name	OJ990519_26.9C03.C4.o1.tw	Method	TBLASTX:Wheat
Start	2546	End	3008
GI	none	Score	568
Exons	2546..3007, 2547..3008		

Seq. No.	31536	Seq. ID	OJ990519_26.9C03.C4
Gene No.	65296	Strand	-
Start	14083	End	15252
Name	OJ990519_26.9C03.C4.o1.tm	Method	TBLASTX:Maize
Start	2676	End	3032
GI	none	Score	396
Exons	2676..3032, 2702..3022, 2727..3032		

Seq. No.	31536	Seq. ID	OJ990519_26.9C03.C4
Gene No.	65296	Strand	-
Start	14083	End	15252

Name	OJ990519_26.9C03.C4.o2.tm	Method	TBLASTX:Maize
Start	3059	End	3443
GI	none	Score	361
Exons	3059..3424, 3060..3443		

Seq. No.	31536	Seq. ID	OJ990519_26.9C03.C4
Gene No.	65296	Strand	-
Start	14083	End	15252
Name	OJ990519_26.9C03.C4.o2.tw	Method	TBLASTX:Wheat
Start	3116	End	3541
GI	none	Score	487
Exons	3116..3541, 3117..3536		

Seq. No.	31536	Seq. ID	OJ990519_26.9C03.C4
Gene No.	65296	Strand	-
Start	14083	End	15252
Name	OJ990519_26.9C03.C4.o1.ts	Method	TBLASTX:Soybean
Start	3195	End	3566
GI	none	Score	274
Exons	3195..3566		

Seq. No.	31536	Seq. ID	OJ990519_26.9C03.C4
Gene No.	65296	Strand	-
Start	14083	End	15252
Name	OJ990519_26.9C03.C4.o5.tw	Method	TBLASTX:Wheat
Start	4191	End	4625
GI	none	Score	234
Exons	4191..4415, 4191..4415, 4256..4429, 4476..4625, 4487..4624		

Seq. No.	31536	Seq. ID	OJ990519_26.9C03.C4
Gene No.	65296	Strand	-
Start	14083	End	15252
Name	OJ990519_26.9C03.C4.o2.ts	Method	TBLASTX:Soybean
Start	4314	End	4880
GI	5666795	Score	68
Exons	4314..4412, 4488..4625, 4680..4880		
GI Descrip.	4206306 2.0e-10 (AF049110) prpol [Zea mays]		

Seq. No.	31536	Seq. ID	OJ990519_26.9C03.C4
Gene No.	65296	Strand	-
Start	14083	End	15252
Name	OJ990519_26.9C03.C4.o8.tw	Method	TBLASTX:Wheat
Start	4628	End	4940
GI	none	Score	191
Exons	4628..4804, 4677..4940		

Seq. No.	31536	Seq. ID	OJ990519_26.9C03.C4
Gene No.	65296	Strand	-
Start	14083	End	15252
Name	OJ990519_26.9C03.C4.o3.tm	Method	TBLASTX:Maize
Start	5133	End	5456
GI	none	Score	361
Exons	5133..5456, 5162..5443		

Seq. No.	31536	Seq. ID	OJ990519_26.9C03.C4
Gene No.	65296	Strand	-
Start	14083	End	15252

Name	OJ990519_26.9C03.C4.o4.tw	Method	TBLASTX:Wheat
Start	5270	End	5651
GI	none	Score	371
Exons	5270..5326, 5271..5651, 5274..5612, 5372..5620		

Seq. No.	31536	Seq. ID	OJ990519_26.9C03.C4
Gene No.	65296	Strand	-
Start	14083	End	15252
Name	OJ990519_26.9C03.C4.o7.tw	Method	TBLASTX:Wheat
Start	5652	End	6254
GI	none	Score	289
Exons	5652..5990, 5657..5935, 6128..6250, 6129..6254		

Seq. No.	31536	Seq. ID	OJ990519_26.9C03.C4
Gene No.	65296	Strand	-
Start	14083	End	15252
Name	OJ990519_26.9C03.C4.o4.tm	Method	TBLASTX:Maize
Start	13370	End	13624
GI	none	Score	142
Exons	13370..13495, 13372..13494, 13499..13624, 13507..13620		

Seq. No.	31536	Seq. ID	OJ990519_26.9C03.C4
Gene No.	65296	Strand	-
Start	14083	End	15252
Name	OJ990519_26.9C03.C4.o5.np	Method	AAT/NAP
Start	14083	End	15252
GI	5042463	Score	105
Exons	14083..14160, 14212..14387, 15056..15252		
GI Descrip.	(AC007789) unknown protein [Oryza sativa]		

Seq. No.	31537	Seq. ID	OJ990519_26.9C03.C5
Gene No.	65297	Strand	+
Start	1	End	347
Name	OJ990519_26.9C03.C5.o1.gp	Method	AAT/GAP
Start	1	End	347
GI	LIB3432-059-P1-K1-D8	Score	512
Exons	1..347		
GI Descrip.	'5734616/dbj\|AP000391.1\|AP000391 0.0e+00 Oryza sativa genomic DNA, chromosome 6, clone:P0538C01'		

Seq. No.	31537	Seq. ID	OJ990519_26.9C03.C5
Gene No.	65298	Strand	+
Start	4324	End	9311
Name	OJ990519_26.9C03.C5.o1.gs	Method	GENSCAN
Start	4324	End	9311
GI	none	Score	.5
Exons	4324..4730, 4987..5230, 5353..5544, 5770..5991, 6170..6351, 6425..6503, 6517..6942, 7061..7342, 7415..7701, 8021..8139, 8229..8309, 8529..8751, 8777..9311		

Seq. No.	31537	Seq. ID	OJ990519_26.9C03.C5
Gene No.	65298	Strand	+
Start	4324	End	9311
Name	OJ990519_26.9C03.C5.o1.np	Method	AAT/NAP
Start	6551	End	9308
GI	4206306	Score	1276
Exons	6551..6591, 7455..9308		

GI Descrip. (AF049110) prpol [Zea mays]

Seq. No.	31537	Seq. ID	OJ990519_26.9C03.C5
Gene No.	65299	Strand	+
Start	15314	End	17394
Name	OJ990519_26.9C03.C5.o3.gs	Method	GENSCAN
Start	15314	End	17394
GI	none	Score	.74
Exons	15314..15914, 16009..16541, 16842..16940, 17180..17394		

Seq. No.	31537	Seq. ID	OJ990519_26.9C03.C5
Gene No.	65300	Strand	-
Start	1	End	17402
Name	OJ990519_26.9C03.C5.o2.np	Method	AAT/NAP
Start	1	End	17402
GI	6634015	Score	54
Exons	1..37, 4317..4380, 4415..4618, 11119..11290, 11662..11719, 12177..12225, 12594..12706, 17165..17402		
GI Descrip.	(AB002322) KIAA0324 protein [Homo sapiens]		

Seq. No.	31537	Seq. ID	OJ990519_26.9C03.C5
Gene No.	65300	Strand	-
Start	1	End	17402
Name	OJ990519_26.9C03.C5.o4.tw	Method	TBLASTX:Wheat
Start	5455	End	5799
GI	none	Score	187
Exons	5455..5799, 5553..5729		

Seq. No.	31537	Seq. ID	OJ990519_26.9C03.C5
Gene No.	65300	Strand	-
Start	1	End	17402
Name	OJ990519_26.9C03.C5.o5.tw	Method	TBLASTX:Wheat
Start	6592	End	6951
GI	none	Score	62
Exons	6592..6723, 6729..6950, 6775..6951		

Seq. No.	31537	Seq. ID	OJ990519_26.9C03.C5
Gene No.	65300	Strand	-
Start	1	End	17402
Name	OJ990519_26.9C03.C5.o1.tw	Method	TBLASTX:Wheat
Start	7145	End	7473
GI	none	Score	273
Exons	7145..7471, 7204..7473		

Seq. No.	31537	Seq. ID	OJ990519_26.9C03.C5
Gene No.	65300	Strand	-
Start	1	End	17402
Name	OJ990519_26.9C03.C5.o2.tm	Method	TBLASTX:Maize
Start	7219	End	7494
GI	none	Score	241
Exons	7219..7494, 7223..7480		

Seq. No.	31537	Seq. ID	OJ990519_26.9C03.C5
Gene No.	65300	Strand	-
Start	1	End	17402
Name	OJ990519_26.9C03.C5.o3.tw	Method	TBLASTX:Wheat
Start	7474	End	7747

GI	none	Score	215
Exons	7474..7746, 7475..7747		

Seq. No.	31537	Seq. ID	OJ990519_26.9C03.C5
Gene No.	65300	Strand	-
Start	1	End	17402
Name	OJ990519_26.9C03.C5.o3.tm	Method	TBLASTX:Maize
Start	8147	End	8368
GI	none	Score	203
Exons	8147..8368, 8200..8367		

Seq. No.	31537	Seq. ID	OJ990519_26.9C03.C5
Gene No.	65300	Strand	-
Start	1	End	17402
Name	OJ990519_26.9C03.C5.o2.tw	Method	TBLASTX:Wheat
Start	8210	End	8599
GI	none	Score	232
Exons	8210..8599		

Seq. No.	31537	Seq. ID	OJ990519_26.9C03.C5
Gene No.	65300	Strand	-
Start	1	End	17402
Name	OJ990519_26.9C03.C5.o1.tm	Method	TBLASTX:Maize
Start	8369	End	8737
GI	none	Score	337
Exons	8369..8737, 8461..8730, 8624..8731		

Seq. No.	31537	Seq. ID	OJ990519_26.9C03.C5
Gene No.	65300	Strand	-
Start	1	End	17402
Name	OJ990519_26.9C03.C5.o2.gs	Method	GENSCAN
Start	10214	End	14576
GI	none	Score	.75
Exons	10214..10330, 10637..10789, 11042..11197, 11254..11475, 11559..11823, 11889..11984, 12173..12309, 12330..12526, 12614..13112, 13170..13484, 14456..14508, 14513..14576		

Seq. No.	31537	Seq. ID	OJ990519_26.9C03.C5
Gene No.	65300	Strand	-
Start	1	End	17402
Name	OJ990519_26.9C03.C5.o4.tm	Method	TBLASTX:Maize
Start	15445	End	15739
GI	none	Score	81
Exons	15445..15510, 15450..15542, 15452..15511, 15515..15583, 15520..15600, 15521..15577, 15642..15704, 15647..15739, 15647..15733, 15649..15738		

Seq. No.	31538	Seq. ID	OJ990519_26.9C03.C6
Gene No.	65301	Strand	+
Start	1	End	2493
Name	OJ990519_26.9C03.C6.o1.np	Method	AAT/NAP
Start	1	End	2493
GI	4206200	Score	103
Exons	1..28, 1681..1999, 2462..2493		
GI Descrip.	(AF071527) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	31538	Seq. ID	OJ990519_26.9C03.C6

Gene No.	65302	Strand	-
Start	825	End	2142
Name	OJ990519_26.9C03.C6.o1.gs	Method	GENSCAN
Start	825	End	2142
GI	none	Score	.54
Exons	825..990, 1145..1214, 1732..1754, 2015..2142		

Seq. No.	31539	Seq. ID	OJ990519_26.9C03.C7
Gene No.	65303	Strand	-
Start	414	End	4681
Name	OJ990519_26.9C03.C7.o1.np	Method	AAT/NAP
Start	414	End	4464
GI	4680183	Score	71
Exons	414..496, 4442..4464		
GI Descrip.	(AF111709) gag-pol protein [Oryza sativa subsp. indica]		

Seq. No.	31539	Seq. ID	OJ990519_26.9C03.C7
Gene No.	65303	Strand	-
Start	414	End	4681
Name	OJ990519_26.9C03.C7.o1.gs	Method	GENSCAN
Start	699	End	1825
GI	none	Score	.79
Exons	699..765, 1481..1619, 1712..1825		

Seq. No.	31539	Seq. ID	OJ990519_26.9C03.C7
Gene No.	65303	Strand	-
Start	414	End	4681
Name	OJ990519_26.9C03.C7.o2.np	Method	AAT/NAP
Start	1948	End	4681
GI	5852181	Score	117
Exons	1948..2061, 2207..2340, 2820..3135, 4642..4681		
GI Descrip.	(AL117265) zhb0011.1 [Oryza sativa]		

Seq. No.	31539	Seq. ID	OJ990519_26.9C03.C7
Gene No.	65303	Strand	-
Start	414	End	4681
Name	OJ990519_26.9C03.C7.o3.np	Method	AAT/NAP
Start	3791	End	4681
GI	5295955	Score	358
Exons	3791..4681		
GI Descrip.	(AB026295) Similar to Epstein-Barr virus (EBV) genome.(V01555) [Oryza sativa]		

Seq. No.	31539	Seq. ID	OJ990519_26.9C03.C7
Gene No.	65303	Strand	-
Start	414	End	4681
Name	OJ990519_26.9C03.C7.o3.gs	Method	GENSCAN
Start	4291	End	4434
GI	none	Score	.44
Exons	4291..4434		

Seq. No.	31540	Seq. ID	OJ990519_26.9C03.C8
Gene No.	65304	Strand	-
Start	1	End	8214
Name	OJ990519_26.9C03.C8.o1.np	Method	AAT/NAP
Start	1	End	8214
GI	5295955	Score	301

Exons	1..293, 975..1088, 1629..1694, 5301..5580, 6405..6484, 8155..8214		
GI Descrip.	(AB026295) Similar to Epstein-Barr virus (EBV) genome.(V01555) [Oryza sativa]		

Seq. No.	31540	Seq. ID	OJ990519_26.9C03.C8
Gene No.	65304	Strand	-
Start	1	End	8214
Name	OJ990519_26.9C03.C8.o1.gs	Method	GENSCAN
Start	41	End	2116
GI	none	Score	.81
Exons	41..119, 240..288, 1034..1152, 1561..1697, 2047..2116		

Seq. No.	31541	Seq. ID	OJ990519_26.9C03.C9
Gene No.	65305	Strand	+
Start	1108	End	5659
Name	OJ990519_26.9C03.C9.o1.gs	Method	GENSCAN
Start	1108	End	5659
GI	none	Score	.53
Exons	1108..1501, 1673..4898, 5155..5659		

Seq. No.	31541	Seq. ID	OJ990519_26.9C03.C9
Gene No.	65305	Strand	+
Start	1108	End	5659
Name	OJ990519_26.9C03.C9.o1.np	Method	AAT/NAP
Start	1108	End	5656
GI	4680179	Score	6756
Exons	1108..5656		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	31541	Seq. ID	OJ990519_26.9C03.C9
Gene No.	65305	Strand	+
Start	1108	End	5659
Name	OJ990519_26.9C03.C9.o7.tw	Method	TBLASTX:Wheat
Start	1321	End	1701
GI	none	Score	299
Exons	1321..1701, 1341..1700		

Seq. No.	31541	Seq. ID	OJ990519_26.9C03.C9
Gene No.	65305	Strand	+
Start	1108	End	5659
Name	OJ990519_26.9C03.C9.o6.tm	Method	TBLASTX:Maize
Start	1582	End	1914
GI	none	Score	221
Exons	1582..1914, 1605..1769		

Seq. No.	31541	Seq. ID	OJ990519_26.9C03.C9
Gene No.	65305	Strand	+
Start	1108	End	5659
Name	OJ990519_26.9C03.C9.o8.tw	Method	TBLASTX:Wheat
Start	2242	End	2643
GI	none	Score	143
Exons	2242..2466, 2274..2408, 2449..2562, 2470..2643, 2544..2612		

Seq. No.	31541	Seq. ID	OJ990519_26.9C03.C9
Gene No.	65305	Strand	+
Start	1108	End	5659

Name	OJ990519_26.9C03.C9.o8.tm	Method	TBLASTX:Maize
Start	2280	End	2556
GI	none	Score	195
Exons	2280..2381, 2281..2556		

Seq. No.	31541	Seq. ID	OJ990519_26.9C03.C9
Gene No.	65305	Strand	+
Start	1108	End	5659
Name	OJ990519_26.9C03.C9.o4.tw	Method	TBLASTX:Wheat
Start	2818	End	3300
GI	none	Score	546
Exons	2818..3300, 2922..3257		

Seq. No.	31541	Seq. ID	OJ990519_26.9C03.C9
Gene No.	65305	Strand	+
Start	1108	End	5659
Name	OJ990519_26.9C03.C9.o4.ts	Method	TBLASTX:Soybean
Start	2854	End	3168
GI	none	Score	183
Exons	2854..3168		

Seq. No.	31541	Seq. ID	OJ990519_26.9C03.C9
Gene No.	65305	Strand	+
Start	1108	End	5659
Name	OJ990519_26.9C03.C9.o4.tm	Method	TBLASTX:Maize
Start	2887	End	3354
GI	none	Score	389
Exons	2887..3354, 2958..3257		

Seq. No.	31541	Seq. ID	OJ990519_26.9C03.C9
Gene No.	65305	Strand	+
Start	1108	End	5659
Name	OJ990519_26.9C03.C9.o1.ts	Method	TBLASTX:Soybean
Start	3241	End	3636
GI	none	Score	57
Exons	3241..3273, 3243..3269, 3277..3636, 3284..3355, 3289..3606, 3381..3635		

Seq. No.	31541	Seq. ID	OJ990519_26.9C03.C9
Gene No.	65305	Strand	+
Start	1108	End	5659
Name	OJ990519_26.9C03.C9.o5.tw	Method	TBLASTX:Wheat
Start	3349	End	3651
GI	none	Score	405
Exons	3349..3651, 3352..3642, 3381..3650		

Seq. No.	31541	Seq. ID	OJ990519_26.9C03.C9
Gene No.	65305	Strand	+
Start	1108	End	5659
Name	OJ990519_26.9C03.C9.o5.tm	Method	TBLASTX:Maize
Start	3370	End	3723
GI	none	Score	331
Exons	3370..3723, 3438..3716		

Seq. No.	31541	Seq. ID	OJ990519_26.9C03.C9
Gene No.	65305	Strand	+
Start	1108	End	5659

Name	OJ990519_26.9C03.C9.o2.tw	Method	TBLASTX:Wheat
Start	3652	End	4161
GI	none	Score	621
Exons	3652..4161, 3660..4070, 3694..4074		

Seq. No.	31541	Seq. ID	OJ990519_26.9C03.C9
Gene No.	65305	Strand	+
Start	1108	End	5659
Name	OJ990519_26.9C03.C9.o3.ts	Method	TBLASTX:Soybean
Start	3658	End	3903
GI	none	Score	209
Exons	3658..3903		

Seq. No.	31541	Seq. ID	OJ990519_26.9C03.C9
Gene No.	65305	Strand	+
Start	1108	End	5659
Name	OJ990519_26.9C03.C9.o2.tm	Method	TBLASTX:Maize
Start	3724	End	4087
GI	none	Score	477
Exons	3724..4077, 3726..4070, 3764..4087		

Seq. No.	31541	Seq. ID	OJ990519_26.9C03.C9
Gene No.	65305	Strand	+
Start	1108	End	5659
Name	OJ990519_26.9C03.C9.o3.tw	Method	TBLASTX:Wheat
Start	4165	End	4644
GI	none	Score	587
Exons	4165..4644, 4198..4608, 4389..4643		

Seq. No.	31541	Seq. ID	OJ990519_26.9C03.C9
Gene No.	65305	Strand	+
Start	1108	End	5659
Name	OJ990519_26.9C03.C9.o1.tc	Method	TBLASTX:Cress
Start	4351	End	4668
GI	none	Score	89
Exons	4351..4524, 4525..4668, 4527..4667		

Seq. No.	31541	Seq. ID	OJ990519_26.9C03.C9
Gene No.	65305	Strand	+
Start	1108	End	5659
Name	OJ990519_26.9C03.C9.o2.ts	Method	TBLASTX:Soybean
Start	4432	End	4692
GI	none	Score	299
Exons	4432..4692, 4437..4691		

Seq. No.	31541	Seq. ID	OJ990519_26.9C03.C9
Gene No.	65305	Strand	+
Start	1108	End	5659
Name	OJ990519_26.9C03.C9.o3.tm	Method	TBLASTX:Maize
Start	4491	End	4782
GI	none	Score	390
Exons	4491..4778, 4492..4782		

Seq. No.	31541	Seq. ID	OJ990519_26.9C03.C9
Gene No.	65305	Strand	+
Start	1108	End	5659
Name	OJ990519_26.9C03.C9.o1.tw	Method	TBLASTX:Wheat

Start	4651	End	5278
GI	none	Score	657
Exons	4651..5223, 4653..5219, 5225..5278		

Seq. No.	31541	Seq. ID	OJ990519_26.9C03.C9
Gene No.	65305	Strand	+
Start	1108	End	5659
Name	OJ990519_26.9C03.C9.o1.tm	Method	TBLASTX:Maize
Start	4831	End	5419
GI	none	Score	217
Exons	4831..4992, 4839..4985, 4990..5223, 4995..5219, 5204..5419, 5320..5418		

Seq. No.	31541	Seq. ID	OJ990519_26.9C03.C9
Gene No.	65305	Strand	+
Start	1108	End	5659
Name	OJ990519_26.9C03.C9.o6.tw	Method	TBLASTX:Wheat
Start	5278	End	5646
GI	none	Score	372
Exons	5278..5478, 5279..5611, 5593..5646		

Seq. No.	31541	Seq. ID	OJ990519_26.9C03.C9
Gene No.	65305	Strand	+
Start	1108	End	5659
Name	OJ990519_26.9C03.C9.o7.tm	Method	TBLASTX:Maize
Start	5420	End	5632
GI	none	Score	202
Exons	5420..5632		

Seq. No.	31542	Seq. ID	OJ990519_26.9C03.C10
Gene No.	65306	Strand	+
Start	1	End	1499
Name	OJ990519_26.9C03.C10.o1.np	Method	AAT/NAP
Start	1	End	1499
GI	6498441	Score	1709
Exons	1..113, 306..740, 912..1499		
GI Descrip.	(AP000815) EST C72786(E2258) corresponds to a region of the predicted gene.; Similar to Sorghum bicolor Gypsy-Ty3 type retrotransposon RetroSor1. (AF098806) [Oryza sativa]		

Seq. No.	31542	Seq. ID	OJ990519_26.9C03.C10
Gene No.	65306	Strand	+
Start	1	End	1499
Name	OJ990519_26.9C03.C10.o1.gs	Method	GENSCAN
Start	80	End	1365
GI	none	Score	.71
Exons	80..1365		

Seq. No.	31542	Seq. ID	OJ990519_26.9C03.C10
Gene No.	65306	Strand	+
Start	1	End	1499
Name	OJ990519_26.9C03.C10.o1.tw	Method	TBLASTX:Wheat
Start	612	End	1046
GI	none	Score	235
Exons	612..863, 627..836, 677..853, 897..1046, 897..1043, 908..1045		

Seq. No.	31542	Seq. ID	OJ990519_26.9C03.C10

Gene No.	65306	Strand	+
Start	1	End	1499
Name	OJ990519_26.9C03.C10.o1.ts	Method	TBLASTX:Soybean
Start	735	End	1301
GI	5666795	Score	68
Exons	735..833, 909..1046, 1101..1301		
GI Descrip.	4206306 2.0e-10 (AF049110) prpol [Zea mays]		

Seq. No.	31542	Seq. ID	OJ990519_26.9C03.C10
Gene No.	65306	Strand	+
Start	1	End	1499
Name	OJ990519_26.9C03.C10.o2.tw	Method	TBLASTX:Wheat
Start	1049	End	1361
GI	none	Score	192
Exons	1049..1225, 1101..1361		

Seq. No.	31543	Seq. ID	OJ990519_26.9C03.C11
Gene No.	65307	Strand	-
Start	1	End	7952
Name	OJ990519_26.9C03.C11.o1.np	Method	AAT/NAP
Start	1	End	7952
GI	4680186	Score	270
Exons	1..22, 5913..6109, 6549..6691, 7915..7952		
GI Descrip.	(AF111709) unknown [Oryza sativa subsp. indica]		

Seq. No.	31544	Seq. ID	OJ990519_26.9C03.C12
Gene No.	65308	Strand	+
Start	329	End	700
Name	OJ990519_26.9C03.C12.o1.gs	Method	GENSCAN
Start	329	End	700
GI	none	Score	.9
Exons	329..700		

Seq. No.	31544	Seq. ID	OJ990519_26.9C03.C12
Gene No.	65309	Strand	+
Start	1876	End	2179
Name	OJ990519_26.9C03.C12.o2.gs	Method	GENSCAN
Start	1876	End	2179
GI	none	Score	.44
Exons	1876..1955, 2120..2179		

Seq. No.	31545	Seq. ID	OJ990519_23.9C13.C1
Gene No.	65310	Strand	+
Start	591	End	1364
Name	OJ990519_23.9C13.C1.o1.gs	Method	GENSCAN
Start	591	End	1364
GI	none	Score	.67
Exons	591..610, 1178..1364		

Seq. No.	31545	Seq. ID	OJ990519_23.9C13.C1
Gene No.	65311	Strand	+
Start	9464	End	10755
Name	OJ990519_23.9C13.C1.o3.gs	Method	GENSCAN
Start	9464	End	10755
GI	none	Score	.8
Exons	9464..9602, 9700..9875, 9910..10132, 10274..10480, 10622..10755		

Seq. No.	31545	Seq. ID	OJ990519_23.9C13.C1
Gene No.	65311	Strand	+
Start	9464	End	10755
Name	OJ990519_23.9C13.C1.o1.np	Method	AAT/NAP
Start	9988	End	10704
GI	6714305	Score	266
Exons	9988..10132, 10245..10522, 10622..10704		
GI Descrip.	(AC013354) F15H18.4 [Arabidopsis thaliana]		

Seq. No.	31545	Seq. ID	OJ990519_23.9C13.C1
Gene No.	65312	Strand	-
Start	2867	End	6586
Name	OJ990519_23.9C13.C1.o1.tm	Method	TBLASTX:Maize
Start	848	End	1268
GI	none	Score	58
Exons	848..943, 860..940, 985..1041, 990..1043, 1039..1239, 1045..1239, 1047..1268		

Seq. No.	31545	Seq. ID	OJ990519_23.9C13.C1
Gene No.	65312	Strand	-
Start	2867	End	6586
Name	OJ990519_23.9C13.C1.o2.gs	Method	GENSCAN
Start	2867	End	6586
GI	none	Score	.77
Exons	2867..3208, 6122..6193, 6234..6367, 6373..6496, 6572..6586		

Seq. No.	31545	Seq. ID	OJ990519_23.9C13.C1
Gene No.	65313	Strand	
Start	9982	End	10692
Name	OJ990519_23.9C13.C1.o2.tm	Method	TBLASTX:Maize
Start	9982	End	10464
GI	none	Score	128
Exons	9982..10119, 9987..10118, 10203..10445, 10300..10464		

Seq. No.	31545	Seq. ID	OJ990519_23.9C13.C1
Gene No.	65313	Strand	
Start	9982	End	10692
Name	OJ990519_23.9C13.C1.o1.ts	Method	TBLASTX:Soybean
Start	9994	End	10692
GI	none	Score	134
Exons	9994..10110, 10005..10127, 10300..10494, 10320..10478, 10615..10692		

Seq. No.	31545	Seq. ID	OJ990519_23.9C13.C1
Gene No.	65313	Strand	
Start	9982	End	10692
Name	OJ990519_23.9C13.C1.o1.tc	Method	TBLASTX:Cress
Start	10308	End	10514
GI	none	Score	187
Exons	10308..10514, 10315..10482		

Seq. No.	31546	Seq. ID	OJ990519_23.9C13.C2
Gene No.	65314	Strand	+
Start	2919	End	12381
Name	OJ990519_23.9C13.C2.o1.gp	Method	AAT/GAP
Start	2919	End	5359
GI	3117_1.R1084	Score	1304

Exons	2919..3103, 4449..4646, 4910..5145, 5276..5359		
GI Descrip.	'2252840 3.0e-09 (AF013293) contains regions of similarity to Haemophilus influenzae permease (SP:P38767) [Arabidopsis thaliana] >gi_6049882_gb_AAF02797.1_AF195115_17 (AF195115) contains regions of similarity to Haemophilus influenzae permease (SP:P38767) [Arabidopsis thaliana]'		
Seq. No.	31546	Seq. ID	OJ990519_23.9C13.C2
Gene No.	65314	Strand	+
Start	2919	End	12381
Name	OJ990519_23.9C13.C2.o1.np	Method	AAT/NAP
Start	3504	End	6320
GI	4115913	Score	327
Exons	3504..3591, 4540..4646, 4910..5142, 5272..5606, 6072..6320		
GI Descrip.	(AF118222) contains similarity to Iron/Ascorbate family of oxidoreductases (Pfam: PF00671, Score=307.1, E=2.2e-88, N=1) [Arabidopsis thaliana] gi\|4539409\|emb\|CAB40042.1\| (AL049524) putative flavanone 3-beta-hydroxylase [Arabidopsis thaliana]		
Seq. No.	31546	Seq. ID	OJ990519_23.9C13.C2
Gene No.	65314	Strand	+
Start	2919	End	12381
Name	OJ990519_23.9C13.C2.o3.gs	Method	GENSCAN
Start	4107	End	12147
GI	none	Score	84
Exons	4107..4235, 4449..4646, 4910..5145, 5276..5606, 6072..6308, 6935..6970, 7008..7166, 8057..8102, 8215..8447, 8718..9694, 10172..10256, 10372..10467, 10577..10729, 10819..10926, 11260..11379, 11480..11605, 11852..11935, 12022..12147		
Seq. No.	31546	Seq. ID	OJ990519_23.9C13.C2
Gene No.	65314	Strand	+
Start	2919	End	12381
Name	OJ990519_23.9C13.C2.o2.gp	Method	AAT/GAP
Start	6341	End	6618
GI	5005143	Score	472
Exons	6341..6618		
Seq. No.	31546	Seq. ID	OJ990519_23.9C13.C2
Gene No.	65314	Strand	+
Start	2919	End	12381
Name	OJ990519_23.9C13.C2.o2.np	Method	AAT/NAP
Start	8718	End	12147
GI	4507223	Score	798
Exons	8718..9694, 10172..10256, 10372..10467, 10577..10729, 10819..10965, 11260..11379, 11480..11605, 11852..11935, 12022..12147		
GI Descrip.	signal recognition particle receptor ('docking protein') gi\|134892\|sp\|P08240\|SRPR_HUMAN SIGNAL RECOGNITION PARTICLE RECEPTOR ALPHA SUBUNIT (SR-ALPHA) (DOCKING PROTEIN ALPHA) (DP-ALPHA) gi\|88607\|pir\|\|A29440 signal recognition particle receptor - human gi\|30866\|emb\|CAA29608\| (X06272) docking protein [Homo sapiens]		
Seq. No.	31546	Seq. ID	OJ990519_23.9C13.C2
Gene No.	65314	Strand	+
Start	2919	End	12381

Name	OJ990519_23.9C13.C2.o3.gp	Method	AAT/GAP
Start	9389	End	12381
GI	2017_1.R1084	Score	2693
Exons	9389..9694, 10172..10256, 10372..10467, 10577..10729, 10819..10926, 11260..11379, 11480..11605, 11852..11935, 12022..12381		
GI Descrip.	'4507223/ref\|NP_003130.1\|pSRPR\| 1.0e-102 signal recognition particle receptor (''docking protein'') >gi_134892_sp_P08240_SRPR_HUMAN SIGNAL RECOGNITION PARTICLE RECEPTOR ALPHA SUBUNIT (SR-ALPHA) (DOCKING PROTEIN ALPHA) (DP-ALPHA) >gi_88607_pir__A29440 signal recognition particle receptor - human >gi_30866_emb_CAA29608_ (X06272) docking protein [Homo sapiens]'		

Seq. No.	31546	Seq. ID	OJ990519_23.9C13.C2
Gene No.	65315	Strand	+
Start	18122	End	20139
Name	OJ990519_23.9C13.C2.o4.np	Method	AAT/NAP
Start	18122	End	20139
GI	6721512	Score	64
Exons	18122..18257, 19924..20139		
GI Descrip.	(AP001072) hypothetical protein [Oryza sativa]		

Seq. No.	31546	Seq. ID	OJ990519_23.9C13.C2
Gene No.	65316	Strand	-
Start	13177	End	17666
Name	OJ990519_23.9C13.C2.o3.np	Method	AAT/NAP
Start	13177	End	17666
GI	1402878	Score	892
Exons	13177..13252, 13341..13427, 13549..13667, 13779..14017, 14109..14165, 14264..14350, 14442..14983, 17206..17385, 17548..17666		
GI Descrip.	(X98130) unknown [Arabidopsis thaliana]		

Seq. No.	31546	Seq. ID	OJ990519_23.9C13.C2
Gene No.	65316	Strand	-
Start	13177	End	17666
Name	OJ990519_23.9C13.C2.o4.gp	Method	AAT/GAP
Start	13183	End	13916
GI	2800839	Score	571
Exons	13183..13254, 13341..13427, 13548..13667, 13779..13916		
GI Descrip.	5668808/gb\|AAD46034.1\|AC007519_19 9.0e-21 (AC007519) F16N3.20 [Arabidopsis thaliana]		

Seq. No.	31546	Seq. ID	OJ990519_23.9C13.C2
Gene No.	65316	Strand	-
Start	13177	End	17666
Name	OJ990519_23.9C13.C2.o4.gs	Method	GENSCAN
Start	13684	End	17496
GI	none	Score	.43
Exons	13684..14017, 14109..14165, 14264..14350, 14442..14983, 17206..17496		

Seq. No.	31546	Seq. ID	OJ990519_23.9C13.C2
Gene No.	65316	Strand	-
Start	13177	End	17666
Name	OJ990519_23.9C13.C2.o5.gp	Method	AAT/GAP

Start	15397	End	17366
GI	4715947	Score	1050
Exons	15397..15417, 15873..16264, 17206..17366		
GI Descrip.	2252840 3.0e-09 (AF013293) contains regions of similarity to Haemophilus influenzae permease (SP:P38767) [Arabidopsis thaliana] >gi_6049882_gb_AAF02797.1_AF195115_17 (AF195115) contains regions of similarity to Haemophilus influenzae permease (SP:P38767) [Arabidopsis thaliana]		

Seq. No.	31546	Seq. ID	OJ990519_23.9C13.C2
Gene No.	65317	Strand	-
Start	17788	End	18939
Name	OJ990519_23.9C13.C2.o5.gs	Method	GENSCAN
Start	17788	End	18939
GI	none	Score	.43
Exons	17788..17947, 18649..18772, 18813..18939		

Seq. No.	31546	Seq. ID	OJ990519_23.9C13.C2
Gene No.	65318	Strand	-
Start	20364	End	20675
Name	OJ990519_23.9C13.C2.o5.ts	Method	TBLASTX:Soybean
Start	5018	End	6311
GI	none	Score	94
Exons	5018..5164, 5274..5444, 5453..5608, 5454..5612, 6045..6200, 6225..6311		

Seq. No.	31546	Seq. ID	OJ990519_23.9C13.C2
Gene No.	65318	Strand	-
Start	20364	End	20675
Name	OJ990519_23.9C13.C2.o2.tm	Method	TBLASTX:Maize
Start	8699	End	12310
GI	none	Score	517
Exons	8699..8920, 8703..9035, 8814..8945, 8989..9033, 9033..9158, 9055..9123, 9282..9344, 9290..9343, 9292..9345, 9306..9380, 9341..9373, 9346..9375, 9376..9501, 9421..9498, 9480..9572, 9494..9607, 9495..9605, 9499..9627, 9499..9606, 9660..9692, 9662..9694, 10170..10256, 10173..10256, 10180..10260, 10370..10444, 10371..10463, 10372..10467, 10571..10753, 10574..10729, 10576..10734, 10810..10935, 10814..10924, 10816..10929, 11254..11379, 11257..11361, 11259..11381, 11477..11611, 11477..11608, 11479..11619, 11849..11938, 11851..11937, 12020..12169, 12021..12146, 12021..12170, 12022..12150, 12208..12300, 12218..12310, 12222..12299		

Seq. No.	31546	Seq. ID	OJ990519_23.9C13.C2
Gene No.	65318	Strand	-
Start	20364	End	20675
Name	OJ990519_23.9C13.C2.o2.tw	Method	TBLASTX:Wheat
Start	8711	End	9035
GI	none	Score	93
Exons	8711..8767, 8714..8782, 8790..8861, 8853..9035, 8853..8945, 8864..9034		

Seq. No.	31546	Seq. ID	OJ990519_23.9C13.C2
Gene No.	65318	Strand	-
Start	20364	End	20675
Name	OJ990519_23.9C13.C2.o3.tc	Method	TBLASTX:Cress

Start	8715	End	8924
GI	none	Score	80
Exons	8715..8768, 8787..8897, 8880..8924		

Seq. No.	31546	Seq. ID	OJ990519_23.9C13.C2
Gene No.	65318	Strand	-
Start	20364	End	20675
Name	OJ990519_23.9C13.C2.o3.ts	Method	TBLASTX:Soybean
Start	8717	End	9401
GI	none	Score	79
Exons	8717..8764, 8718..8768, 8793..8876, 8880..9035, 8880..8942, 9039..9158, 9314..9373, 9318..9401		

Seq. No.	31546	Seq. ID	OJ990519_23.9C13.C2
Gene No.	65318	Strand	-
Start	20364	End	20675
Name	OJ990519_23.9C13.C2.o2.ts	Method	TBLASTX:Soybean
Start	9480	End	10896
GI	none	Score	64
Exons	9480..9572, 9660..9692, 10128..10256, 10170..10256, 10344..10463, 10372..10464, 10566..10730, 10571..10753, 10573..10749, 10810..10896, 10818..10895		

Seq. No.	31546	Seq. ID	OJ990519_23.9C13.C2
Gene No.	65318	Strand	-
Start	20364	End	20675
Name	OJ990519_23.9C13.C2.o1.tw	Method	TBLASTX:Wheat
Start	9562	End	10646
GI	none	Score	113
Exons	9562..9693, 9568..9606, 9641..9694, 10170..10256, 10170..10256, 10171..10257, 10370..10465, 10371..10466, 10371..10475, 10372..10467, 10373..10468, 10571..10645, 10574..10645, 10575..10646		

Seq. No.	31546	Seq. ID	OJ990519_23.9C13.C2
Gene No.	65318	Strand	-
Start	20364	End	20675
Name	OJ990519_23.9C13.C2.o4.tw	Method	TBLASTX:Wheat
Start	10705	End	11386
GI	none	Score	55
Exons	10705..10740, 10705..10734, 10810..10935, 10814..10924, 10816..10929, 11254..11379, 11257..11361, 11258..11386, 11259..11381		

Seq. No.	31546	Seq. ID	OJ990519_23.9C13.C2
Gene No.	65318	Strand	-
Start	20364	End	20675
Name	OJ990519_23.9C13.C2.o4.ts	Method	TBLASTX:Soybean
Start	11254	End	12191
GI	none	Score	187
Exons	11254..11379, 11258..11395, 11259..11381, 11462..11608, 11470..11586, 11477..11611, 11849..11938, 11851..11937, 12011..12121, 12021..12125, 12021..12191, 12022..12147		

Seq. No.	31546	Seq. ID	OJ990519_23.9C13.C2
Gene No.	65318	Strand	-
Start	20364	End	20675

Name	OJ990519_23.9C13.C2.o3.tw	Method	TBLASTX:Wheat
Start	11552	End	12147
GI	none	Score	72
Exons	11552..11611, 11849..11938, 11851..11937, 12021..12146, 12021..12146, 12022..12147		

Seq. No.	31546	Seq. ID	OJ990519_23.9C13.C2
Gene No.	65318	Strand	-
Start	20364	End	20675
Name	OJ990519_23.9C13.C2.o1.ts	Method	TBLASTX:Soybean
Start	13338	End	17380
GI	none	Score	105
Exons	13338..13436, 13573..13674, 13754..14020, 13777..14019, 14114..14164, 14115..14198, 14266..14349, 14444..14536, 14699..14983, 14700..14984, 17195..17380, 17203..17379		

Seq. No.	31546	Seq. ID	OJ990519_23.9C13.C2
Gene No.	65318	Strand	-
Start	20364	End	20675
Name	OJ990519_23.9C13.C2.o4.tm	Method	TBLASTX:Maize
Start	13338	End	13674
GI	none	Score	89
Exons	13338..13433, 13552..13674, 13555..13668		

Seq. No.	31546	Seq. ID	OJ990519_23.9C13.C2
Gene No.	65318	Strand	-
Start	20364	End	20675
Name	OJ990519_23.9C13.C2.o1.tc	Method	TBLASTX:Cress
Start	13389	End	14516
GI	none	Score	57
Exons	13389..13433, 13552..13674, 13631..13669, 13777..14019, 13778..14020, 14266..14349, 14442..14516, 14444..14515		

Seq. No.	31546	Seq. ID	OJ990519_23.9C13.C2
Gene No.	65318	Strand	-
Start	20364	End	20675
Name	OJ990519_23.9C13.C2.o1.tm	Method	TBLASTX:Maize
Start	13774	End	14626
GI	none	Score	219
Exons	13774..14016, 13774..14016, 13775..14017, 14108..14161, 14108..14167, 14109..14201, 14260..14352, 14266..14349, 14268..14354, 14432..14626, 14439..14519, 14444..14536		

Seq. No.	31546	Seq. ID	OJ990519_23.9C13.C2
Gene No.	65318	Strand	-
Start	20364	End	20675
Name	OJ990519_23.9C13.C2.o2.tc	Method	TBLASTX:Cress
Start	14702	End	17385
GI	none	Score	39
Exons	14702..14983, 14712..14828, 14883..14984, 17203..17385		

Seq. No.	31546	Seq. ID	OJ990519_23.9C13.C2
Gene No.	65318	Strand	-
Start	20364	End	20675
Name	OJ990519_23.9C13.C2.o3.tm	Method	TBLASTX:Maize
Start	14739	End	17397
GI	none	Score	327

Exons	14739..14984, 14741..14983, 17195..17392, 17203..17397		
Seq. No.	31546	Seq. ID	OJ990519_23.9C13.C2
Gene No.	65318	Strand	-
Start	20364	End	20675
Name	OJ990519_23.9C13.C2.o6.gs	Method	GENSCAN
Start	20364	End	20675
GI	none	Score	.55
Exons	20364..20675		
Seq. No.	31547	Seq. ID	OJ990519_23.9C13.C4
Gene No.	65319	Strand	+
Start	1365	End	3768
Name	OJ990519_23.9C13.C4.o1.gs	Method	GENSCAN
Start	1365	End	3768
GI	none	Score	.78
Exons	1365..1389, 3052..3270, 3668..3768		
Seq. No.	31547	Seq. ID	OJ990519_23.9C13.C4
Gene No.	65319	Strand	+
Start	1365	End	3768
Name	OJ990519_23.9C13.C4.o1.np	Method	AAT/NAP
Start	2089	End	2217
GI	5852093	Score	61
Exons	2089..2217		
GI Descrip.	(AL117264) zwh16.1 [Oryza sativa]		
Seq. No.	31547	Seq. ID	OJ990519_23.9C13.C4
Gene No.	65320	Strand	-
Start	4259	End	7772
Name	OJ990519_23.9C13.C4.o2.gs	Method	GENSCAN
Start	4259	End	7772
GI	none	Score	.51
Exons	4259..4411, 5594..5638, 6551..6731, 7361..7547, 7616..7772		
Seq. No.	31548	Seq. ID	OJ990519_23.9C13.C5
Gene No.	65321	Strand	+
Start	412	End	1252
Name	OJ990519_23.9C13.C5.o1.gs	Method	GENSCAN
Start	412	End	1252
GI	none	Score	.5
Exons	412..469, 841..981, 1081..1157, 1163..1252		
Seq. No.	31548	Seq. ID	OJ990519_23.9C13.C5
Gene No.	65322	Strand	+
Start	4089	End	7087
Name	OJ990519_23.9C13.C5.o1.np	Method	AAT/NAP
Start	3283	End	7087
GI	6721547	Score	99
Exons	3283..3366, 6999..7087		
GI Descrip.	(AP001073) Similar to Oryza sativa gene for Pib. (AB013448)		
Seq. No.	31548	Seq. ID	OJ990519_23.9C13.C5
Gene No.	65322	Strand	+
Start	4089	End	7087
Name	OJ990519_23.9C13.C5.o2.gs	Method	GENSCAN
Start	4089	End	5119

GI	none	Score	.86
Exons	4089..4121, 4970..5119		

Seq. No.	31548	Seq. ID	OJ990519_23.9C13.C5
Gene No.	65323	Strand	+
Start	11463	End	13838
Name	OJ990519_23.9C13.C5.o1.gp	Method	AAT/GAP
Start	11463	End	13838
GI	none	Score	1111
Exons	11463..11642, 11713..11785, 13474..13838		

Seq. No.	31548	Seq. ID	OJ990519_23.9C13.C5
Gene No.	65323	Strand	+
Start	11463	End	13838
Name	OJ990519_23.9C13.C5.o2.np	Method	AAT/NAP
Start	12506	End	12664
GI	100488	Score	98
Exons	12506..12664		
GI Descrip.	TNP2 protein - garden snapdragon		

Seq. No.	31548	Seq. ID	OJ990519_23.9C13.C5
Gene No.	65324	Strand	+
Start	16738	End	19384
Name	OJ990519_23.9C13.C5.o4.gs	Method	GENSCAN
Start	16738	End	19384
GI	none	Score	.7
Exons	16738..16917, 18787..18853, 18905..19069, 19212..19384		

Seq. No.	31548	Seq. ID	OJ990519_23.9C13.C5
Gene No.	65325	Strand	-
Start	6313	End	15163
Name	OJ990519_23.9C13.C5.o3.gs	Method	GENSCAN
Start	6313	End	15163
GI	none	Score	.47
Exons	6313..6378, 6791..6921, 7029..7251, 11583..11724, 14901..15163		

Seq. No.	31549	Seq. ID	OJ990519_23.9C13.C6
Gene No.	65326	Strand	+
Start	2083	End	2298
Name	OJ990519_23.9C13.C6.o1.gp	Method	AAT/GAP
Start	2083	End	2298
GI	287171	Score	432
Exons	2083..2298		

Seq. No.	31550	Seq. ID	OJ990519_23.9C13.C7
Gene No.	65327	Strand	+
Start	1	End	324
Name	OJ990519_23.9C13.C7.o1.np	Method	AAT/NAP
Start	1	End	318
GI	4220524	Score	243
Exons	1..318		
GI Descrip.	(AL035356) putative protein [Arabidopsis thaliana]		

Seq. No.	31550	Seq. ID	OJ990519_23.9C13.C7
Gene No.	65327	Strand	+
Start	1	End	324
Name	OJ990519_23.9C13.C7.o1.gs	Method	GENSCAN

Start	61	End	324
GI	none	Score	.65
Exons	61..324		

Seq. No.	31550	Seq. ID	OJ990519_23.9C13.C7
Gene No.	65328	Strand	+
Start	252	End	733
Name	OJ990519_23.9C13.C7.o1.gp	Method	AAT/GAP
Start	252	End	733
GI	3760052	Score	803
Exons	252..733		

Seq. No.	31550	Seq. ID	OJ990519_23.9C13.C7
Gene No.	65329	Strand	-
Start	651	End	1175
Name	OJ990519_23.9C13.C7.o1.tm	Method	TBLASTX:Maize
Start	126	End	305
GI	none	Score	77
Exons	126..203, 126..305, 127..300, 281..301		

Seq. No.	31550	Seq. ID	OJ990519_23.9C13.C7
Gene No.	65329	Strand	-
Start	651	End	1175
Name	OJ990519_23.9C13.C7.o1.tc	Method	TBLASTX:Cress
Start	127	End	312
GI	none	Score	195
Exons	127..312, 147..311		

Seq. No.	31550	Seq. ID	OJ990519_23.9C13.C7
Gene No.	65329	Strand	-
Start	651	End	1175
Name	OJ990519_23.9C13.C7.o1.ts	Method	TBLASTX:Soybean
Start	127	End	306
GI	none	Score	268
Exons	127..306, 129..305		

Seq. No.	31550	Seq. ID	OJ990519_23.9C13.C7
Gene No.	65329	Strand	-
Start	651	End	1175
Name	OJ990519_23.9C13.C7.o2.gs	Method	GENSCAN
Start	651	End	1175
GI	none	Score	.65
Exons	651..769, 1048..1175		

Seq. No.	31551	Seq. ID	OJ990519_23.9C13.C8
Gene No.	65330	Strand	+
Start	545	End	630
Name	OJ990519_23.9C13.C8.o1.gp	Method	AAT/GAP
Start	545	End	630
GI	LIB3477-003-P1-K1-E9	Score	122
Exons	545..630		
GI Descrip.	'2498586/sp\|Q40638\|MPO1_ORYSA 2.0e-24 MAJOR POLLEN ALLERGEN ORY S 1 PRECURSOR (ORY S I) >gi_1173557 (U31771) Ory s 1 [Oryza sativa]'		

Seq. No.	31551	Seq. ID	OJ990519_23.9C13.C8
Gene No.	65331	Strand	-

Start	43	End	276
Name	OJ990519_23.9C13.C8.o1.gs	Method	GENSCAN
Start	43	End	276
GI	none	Score	.67
Exons	43..276		

Seq. No.	31552	Seq. ID	OJ990519_23.9C13.C9
Gene No.	65332	Strand	-
Start	1	End	623
Name	OJ990519_23.9C13.C9.o1.np	Method	AAT/NAP
Start	1	End	623
GI	6705984	Score	771
Exons	1..623		
GI Descrip.	(AB033235) gag-pol polyprotein [Oryza sativa]		

Seq. No.	31552	Seq. ID	OJ990519_23.9C13.C9
Gene No.	65332	Strand	-
Start	1	End	623
Name	OJ990519_23.9C13.C9.o2.tm	Method	TBLASTX:Maize
Start	5	End	236
GI	none	Score	86
Exons	5..235, 8..235, 15..236		

Seq. No.	31552	Seq. ID	OJ990519_23.9C13.C9
Gene No.	65332	Strand	-
Start	1	End	623
Name	OJ990519_23.9C13.C9.o1.tw	Method	TBLASTX:Wheat
Start	14	End	403
GI	none	Score	269
Exons	14..403, 15..401		

Seq. No.	31552	Seq. ID	OJ990519_23.9C13.C9
Gene No.	65332	Strand	-
Start	1	End	623
Name	OJ990519_23.9C13.C9.o1.gs	Method	GENSCAN
Start	78	End	367
GI	none	Score	.51
Exons	78..367		

Seq. No.	31552	Seq. ID	OJ990519_23.9C13.C9
Gene No.	65332	Strand	-
Start	1	End	623
Name	OJ990519_23.9C13.C9.o1.tm	Method	TBLASTX:Maize
Start	242	End	619
GI	none	Score	78
Exons	242..619, 387..527		

Seq. No.	31552	Seq. ID	OJ990519_23.9C13.C9
Gene No.	65332	Strand	-
Start	1	End	623
Name	OJ990519_23.9C13.C9.o2.tw	Method	TBLASTX:Wheat
Start	434	End	619
GI	none	Score	121
Exons	434..619, 440..610		

Seq. No.	31553	Seq. ID	OJ990519_23.9C13.C10
Gene No.	65333	Strand	-

Start	2797	End	5473
Name	OJ990519_23.9C13.C10.o2.gs	Method	GENSCAN
Start	2797	End	5473
GI	none	Score	.4
Exons	2797..3064, 3071..3224, 3465..3632, 3769..3838, 4108..4212, 4433..4553, 5028..5212, 5315..5473		

Seq. No.	31553	Seq. ID	OJ990519_23.9C13.C10
Gene No.	65334	Strand	-
Start	11096	End	16195
Name	OJ990519_23.9C13.C10.o4.gs	Method	GENSCAN
Start	11096	End	16195
GI	none	Score	.55
Exons	11096..11201, 11249..11529, 11781..11902, 12015..12216, 12310..12408, 12517..12603, 13226..13522, 13545..13734, 13782..13908, 16042..16195		

Seq. No.	31553	Seq. ID	OJ990519_23.9C13.C10
Gene No.	65334	Strand	-
Start	11096	End	16195
Name	OJ990519_23.9C13.C10.o1.np	Method	AAT/NAP
Start	11254	End	14397
GI	4160298	Score	470
Exons	11254..11426, 11472..11529, 11781..11902, 12015..12216, 12310..12408, 12517..12603, 13226..13381, 14233..14397		
GI Descrip.	(AJ011892) cyclin D2.1 protein [Nicotiana tabacum]		

Seq. No.	31553	Seq. ID	OJ990519_23.9C13.C10
Gene No.	65335	Strand	-
Start	16689	End	17131
Name	OJ990519_23.9C13.C10.o1.tm	Method	TBLASTX:Maize
Start	11772	End	13376
GI	none	Score	41
Exons	11772..11903, 11869..11904, 12005..12211, 12013..12219, 12304..12426, 12308..12409, 12515..12592, 12517..12606, 12650..12679, 13202..13249, 13223..13249, 13301..13375, 13314..13376		

Seq. No.	31553	Seq. ID	OJ990519_23.9C13.C10
Gene No.	65335	Strand	-
Start	16689	End	17131
Name	OJ990519_23.9C13.C10.o1.ts	Method	TBLASTX:Soybean
Start	12028	End	12609
GI	none	Score	55
Exons	12028..12219, 12113..12196, 12307..12417, 12311..12388, 12517..12609		

Seq. No.	31553	Seq. ID	OJ990519_23.9C13.C10
Gene No.	65335	Strand	-
Start	16689	End	17131
Name	OJ990519_23.9C13.C10.o1.tc	Method	TBLASTX:Cress
Start	12082	End	12621
GI	none	Score	103
Exons	12082..12219, 12098..12211, 12307..12417, 12329..12403, 12514..12621, 12517..12609		

Seq. No.	31553	Seq. ID	OJ990519_23.9C13.C10

Gene No.	65335	Strand	-
Start	16689	End	17131
Name	OJ990519_23.9C13.C10.o1.gp	Method	AAT/GAP
Start	16689	End	17131
GI	LIB3432-059-P1-K1-D8	Score	710
Exons	16689..17131		
GI Descrip.	'5734616/dbj\|AP000391.1\|AP000391 0.0e+00 Oryza sativa genomic DNA, chromosome 6, clone:P0538C01'		

Seq. No.	31554	Seq. ID	OJ990519_23.9C13.C11
Gene No.	65336	Strand	+
Start	1	End	2331
Name	OJ990519_23.9C13.C11.o1.np	Method	AAT/NAP
Start	1	End	2331
GI	133431	Score	918
Exons	1..69, 231..843, 2297..2331		
GI Descrip.	DNA-DIRECTED RNA POLYMERASE BETA' CHAIN gi\|66984\|pir\|\|RNZMB1 DNA-directed RNA polymerase (EC 2.7.7.6) beta'-1 chain - maize chloroplast gi\|12481\|emb\|CAA35196\| (X17318) RNA polymerase beta-1 subunit (AA 1-683) [Zea mays] gi\|902213\|emb\|CAA60277\| (X86563) RNA polymerase beta' subunit 1 [Zea mays]		

Seq. No.	31554	Seq. ID	OJ990519_23.9C13.C11
Gene No.	65337	Strand	+
Start	3171	End	3826
Name	OJ990519_23.9C13.C11.o1.gs	Method	GENSCAN
Start	3171	End	3826
GI	none	Score	.64
Exons	3171..3259, 3778..3826		

Seq. No.	31554	Seq. ID	OJ990519_23.9C13.C11
Gene No.	65338	Strand	-
Start	4809	End	8130
Name	OJ990519_23.9C13.C11.o2.tc	Method	TBLASTX:Cress
Start	279	End	499
GI	none	Score	328
Exons	279..497, 281..499, 281..499		

Seq. No.	31554	Seq. ID	OJ990519_23.9C13.C11
Gene No.	65338	Strand	-
Start	4809	End	8130
Name	OJ990519_23.9C13.C11.o1.tc	Method	TBLASTX:Cress
Start	509	End	839
GI	none	Score	480
Exons	509..838, 510..839, 594..839		

Seq. No.	31554	Seq. ID	OJ990519_23.9C13.C11
Gene No.	65338	Strand	-
Start	4809	End	8130
Name	OJ990519_23.9C13.C11.o2.gs	Method	GENSCAN
Start	4809	End	8130
GI	none	Score	.41
Exons	4809..4972, 6072..6202, 6760..6987, 7053..7238, 8012..8130		

Seq. No.	31554	Seq. ID	OJ990519_23.9C13.C11
Gene No.	65338	Strand	-
Start	4809	End	8130

Name	OJ990519_23.9C13.C11.o2.tm	Method	TBLASTX:Maize
Start	5050	End	5342
GI	none	Score	84
Exons	5050..5172, 5064..5162, 5065..5166, 5154..5210, 5160..5210, 5218..5340, 5220..5342, 5221..5328		

Seq. No.	31554	Seq. ID	OJ990519_23.9C13.C11
Gene No.	65338	Strand	-
Start	4809	End	8130
Name	OJ990519_23.9C13.C11.o1.gp	Method	AAT/GAP
Start	5066	End	5371
GI	LIB3475-004-P1-K2-A5	Score	405
Exons	5066..5160, 5212..5371		
GI Descrip.	'5777612/emb\|AJ245900.1\|OSA245900 1.0e-94 Oryza sativa chromosome 4 BAC q3037-207F1 complete genome'		

Seq. No.	31554	Seq. ID	OJ990519_23.9C13.C11
Gene No.	65338	Strand	-
Start	4809	End	8130
Name	OJ990519_23.9C13.C11.o2.np	Method	AAT/NAP
Start	6290	End	7260
GI	6907106	Score	339
Exons	6290..6476, 6553..6761, 6812..7260		
GI Descrip.	(AP001129) EST AU068291(C12960) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	31554	Seq. ID	OJ990519_23.9C13.C11
Gene No.	65338	Strand	-
Start	4809	End	8130
Name	OJ990519_23.9C13.C11.o1.tm	Method	TBLASTX:Maize
Start	6388	End	6852
GI	none	Score	84
Exons	6388..6477, 6390..6467, 6436..6513, 6442..6537, 6508..6723, 6546..6569, 6553..6615, 6583..6636, 6586..6723, 6835..6852		

Seq. No.	31555	Seq. ID	OJ990519_23.9C13.C12
Gene No.	65339	Strand	+
Start	1	End	1068
Name	OJ990519_23.9C13.C12.o1.np	Method	AAT/NAP
Start	1	End	1068
GI	2498930	Score	658
Exons	1..24, 464..524, 692..1068		
GI Descrip.	DORSAL-VENTRAL PATTERNING PROTEIN SOG (SHORT GASTRULATION PROTEIN) gi\|1203794 (U18774) Sog [Drosophila melanogaster]		

Seq. No.	31555	Seq. ID	OJ990519_23.9C13.C12
Gene No.	65339	Strand	+
Start	1	End	1068
Name	OJ990519_23.9C13.C12.o1.gs	Method	GENSCAN
Start	465	End	993
GI	none	Score	.72
Exons	465..524, 692..993		

Seq. No.	31556	Seq. ID	OJ990429_11.9C10.C1
Gene No.	65340	Strand	-
Start	43	End	940
Name	OJ990429_11.9C10.C1.o1.gs	Method	GENSCAN

Start	43	End	940
GI	none	Score	.78
Exons	43..117, 548..666, 767..940		

Seq. No.	31556	Seq. ID	OJ990429_11.9C10.C1
Gene No.	65340	Strand	-
Start	43	End	940
Name	OJ990429_11.9C10.C1.o1.ts	Method	TBLASTX:Soybean
Start	542	End	922
GI	none	Score	137
Exons	542..658, 545..676, 547..672,	732..917,	767..922

Seq. No.	31556	Seq. ID	OJ990429_11.9C10.C1
Gene No.	65340	Strand	-
Start	43	End	940
Name	OJ990429_11.9C10.C1.o1.tm	Method	TBLASTX:Maize
Start	545	End	799
GI	none	Score	148
Exons	545..667, 547..672, 765..797,	767..799	

Seq. No.	31556	Seq. ID	OJ990429_11.9C10.C1
Gene No.	65340	Strand	-
Start	43	End	940
Name	OJ990429_11.9C10.C1.o1.np	Method	AAT/NAP
Start	548	End	931
GI	4324597	Score	287
Exons	548..666, 767..931		
GI Descrip.	(AF106324) sodium proton exchanger Nhx1 [Arabidopsis thaliana] gi\|6650177\|gb\|AAF21755.1\|AF056190_1 (AF056190) Na+/H+ exchanger [Arabidopsis thaliana]		

Seq. No.	31557	Seq. ID	OJ990429_11.9C10.C2
Gene No.	65341	Strand	+
Start	87	End	732
Name	OJ990429_11.9C10.C2.o1.gs	Method	GENSCAN
Start	87	End	674
GI	none	Score	.82
Exons	87..674		

Seq. No.	31557	Seq. ID	OJ990429_11.9C10.C2
Gene No.	65341	Strand	+
Start	87	End	732
Name	OJ990429_11.9C10.C2.o1.tm	Method	TBLASTX:Maize
Start	282	End	681
GI	none	Score	114
Exons	282..314, 283..381, 355..396, 512..622, 544..621, 621..680,	442..501, 622..681	455..619, 460..621,

Seq. No.	31557	Seq. ID	OJ990429_11.9C10.C2
Gene No.	65341	Strand	+
Start	87	End	732
Name	OJ990429_11.9C10.C2.o1.tc	Method	TBLASTX:Cress
Start	475	End	732
GI	none	Score	130
Exons	475..621, 476..619, 628..732		

Seq. No.	31558	Seq. ID	OJ990429_11.9C10.C5

Gene No.	65342	Strand	+
Start	1	End	1183
Name	OJ990429_11.9C10.C5.o1.np	Method	AAT/NAP
Start	1	End	1183
GI	6850895	Score	367
Exons	1..214, 437..507, 592..1183		
GI Descrip.	(AL137898) putative protein [Arabidopsis thaliana]		

Seq. No.	31558	Seq. ID	OJ990429_11.9C10.C5
Gene No.	65342	Strand	+
Start	1	End	1183
Name	OJ990429_11.9C10.C5.o1.ts	Method	TBLASTX:Soybean
Start	167	End	727
GI	none	Score	66
Exons	167..214, 440..508, 590..727, 592..705		

Seq. No.	31558	Seq. ID	OJ990429_11.9C10.C5
Gene No.	65342	Strand	+
Start	1	End	1183
Name	OJ990429_11.9C10.C5.o1.tc	Method	TBLASTX:Cress
Start	476	End	913
GI	none	Score	47
Exons	476..508, 478..510, 589..732, 590..736, 845..913		

Seq. No.	31558	Seq. ID	OJ990429_11.9C10.C5
Gene No.	65342	Strand	+
Start	1	End	1183
Name	OJ990429_11.9C10.C5.o1.gs	Method	GENSCAN
Start	659	End	1087
GI	none	Score	.75
Exons	659..1087		

Seq. No.	31559	Seq. ID	OJ990429_11.9C10.C6
Gene No.	65343	Strand	-
Start	1	End	8043
Name	OJ990429_11.9C10.C6.o1.gp	Method	AAT/GAP
Start	1	End	1590
GI	10573_1.R1084	Score	1723
Exons	1..370, 660..827, 924..1142, 1228..1371, 1537..1590		
GI Descrip.	'2281115/gb\|AAC78267.1\|AAC78267 5.0e-82 (AC002330) putative cullin-like 1 protein [Arabidopsis thaliana]'		

Seq. No.	31559	Seq. ID	OJ990429_11.9C10.C6
Gene No.	65343	Strand	-
Start	1	End	8043
Name	OJ990429_11.9C10.C6.o1.gs	Method	GENSCAN
Start	269	End	8043
GI	none	Score	.85
Exons	269..370, 660..827, 924..1142, 1228..1371, 1537..1819, 1926..1981, 2064..2213, 2306..2392, 3152..3214, 3459..3548, 3742..3819, 3907..4110, 4191..4238, 4314..4499, 5931..6030, 6066..6106, 6173..6365, 6527..6634, 7179..7243, 7484..7621, 7957..8043		

Seq. No.	31559	Seq. ID	OJ990429_11.9C10.C6
Gene No.	65343	Strand	-
Start	1	End	8043

Name	OJ990429_11.9C10.C6.o1.np	Method	AAT/NAP
Start	272	End	6303
GI	2281115	Score	2411
Exons	272..370, 660..827, 924..1142, 1228..1371, 1537..1819, 1926..1981, 2064..2213, 2306..2392, 3125..3214, 3299..3376, 3456..3548, 3742..3819, 4045..4110, 4314..4499, 5931..6030, 6173..6303		
GI Descrip.	(AC002330) putative cullin-like 1 protein [Arabidopsis thaliana]		

Seq. No.	31559	Seq. ID	OJ990429_11.9C10.C6
Gene No.	65343	Strand	-
Start	1	End	8043
Name	OJ990429_11.9C10.C6.o2.gp	Method	AAT/GAP
Start	2090	End	3353
GI	62845_1.R1084	Score	643
Exons	2090..2213, 2306..2392, 2466..2501, 3152..3214, 3299..3353		
GI Descrip.	'2281115/gb\|AAC78267.1\|AAC78267 1.0e-39 (AC002330) putative cullin-like 1 protein [Arabidopsis thaliana]'		

Seq. No.	31559	Seq. ID	OJ990429_11.9C10.C6
Gene No.	65343	Strand	-
Start	1	End	8043
Name	OJ990429_11.9C10.C6.o3.gp	Method	AAT/GAP
Start	3981	End	6441
GI	58661_1.R1084	Score	1370
Exons	3981..4110, 4191..4238, 4314..4499, 5931..6030, 6173..6441		
GI Descrip.	'2281115/gb\|AAC78267.1\|AAC78267 1.0e-74 (AC002330) putative cullin-like 1 protein [Arabidopsis thaliana]'		

Seq. No.	31559	Seq. ID	OJ990429_11.9C10.C6
Gene No.	65344	Strand	-
Start	8224	End	9994
Name	OJ990429_11.9C10.C6.o1.ts	Method	TBLASTX:Soybean
Start	235	End	6301
GI	none	Score	125
Exons	235..267, 257..373, 660..818, 660..833, 661..828, 904..1143, 906..1145, 908..1150, 924..1124, 1222..1371, 1227..1355, 1228..1362, 1235..1366, 1532..1741, 1534..1821, 1537..1833, 1922..1984, 1925..1984, 2061..2204, 2063..2191, 2063..2215, 2113..2214, 2301..2393, 2306..2392, 2319..2393, 2323..2394, 2452..2499, 2463..2498, 3144..3230, 3152..3217, 3302..3376, 3303..3380, 3456..3563, 3457..3573, 3742..3789, 3743..3820, 3905..4066, 3907..4110, 3907..4110, 3918..4118, 4182..4238, 4305..4484, 4313..4507, 4317..4499, 5917..6033, 5928..6029, 6166..6300, 6179..6301		

Seq. No.	31559	Seq. ID	OJ990429_11.9C10.C6
Gene No.	65344	Strand	-
Start	8224	End	9994
Name	OJ990429_11.9C10.C6.o1.tm	Method	TBLASTX:Maize
Start	248	End	3930
GI	none	Score	82
Exons	248..373, 252..371, 256..372, 302..376, 660..818, 661..825, 661..816, 904..1143, 924..1124, 1219..1371, 1228..1371, 1229..1372, 1532..1819, 1534..1821, 1535..1741, 1905..1982, 1922..1984, 1924..1974, 1925..1984, 2061..2204, 2062..2214, 2063..2215, 2306..2392, 2313..2393, 2452..2502, 2463..2504,		

3152..3214, 3152..3214, 3153..3215, 3154..3216, 3299..3376,
3300..3380, 3455..3550, 3456..3578, 3457..3558, 3457..3591,
3741..3788, 3742..3789, 3743..3790, 3791..3820, 3907..3930

Seq. No.	31559	Seq. ID	OJ990429_11.9C10.C6
Gene No.	65344	Strand	-
Start	8224	End	9994
Name	OJ990429_11.9C10.C6.o2.tw	Method	TBLASTX:Wheat
Start	259	End	972
GI	none	Score	65
Exons	259..372, 268..324, 269..373, 302..376, 660..818, 660..833, 661..825, 904..972, 924..968		

Seq. No.	31559	Seq. ID	OJ990429_11.9C10.C6
Gene No.	65344	Strand	-
Start	8224	End	9994
Name	OJ990429_11.9C10.C6.o2.tc	Method	TBLASTX:Cress
Start	269	End	2131
GI	none	Score	131
Exons	269..373, 649..828, 660..833, 904..1029, 924..1031, 1059..1124, 1228..1371, 1235..1366, 1532..1741, 1534..1800, 1537..1833, 1923..1982, 1924..1998, 1925..1984, 2061..2129, 2061..2129, 2063..2131		

Seq. No.	31559	Seq. ID	OJ990429_11.9C10.C6
Gene No.	65344	Strand	-
Start	8224	End	9994
Name	OJ990429_11.9C10.C6.o1.tw	Method	TBLASTX:Wheat
Start	1020	End	1729
GI	none	Score	160
Exons	1020..1124, 1021..1143, 1022..1168, 1219..1371, 1229..1372, 1532..1723, 1534..1728, 1535..1729		

Seq. No.	31559	Seq. ID	OJ990429_11.9C10.C6
Gene No.	65344	Strand	-
Start	8224	End	9994
Name	OJ990429_11.9C10.C6.o3.tc	Method	TBLASTX:Cress
Start	2291	End	3573
GI	none	Score	95
Exons	2291..2395, 2304..2348, 2306..2392, 3155..3217, 3155..3217, 3159..3218, 3302..3376, 3303..3380, 3305..3382, 3456..3557, 3456..3563, 3457..3573		

Seq. No.	31559	Seq. ID	OJ990429_11.9C10.C6
Gene No.	65344	Strand	-
Start	8224	End	9994
Name	OJ990429_11.9C10.C6.o1.tc	Method	TBLASTX:Cress
Start	3770	End	6029
GI	none	Score	48
Exons	3770..3817, 3907..4038, 3907..4110, 4022..4108, 4182..4238, 4313..4477, 4314..4481, 4317..4499, 5928..6029		

Seq. No.	31559	Seq. ID	OJ990429_11.9C10.C6
Gene No.	65344	Strand	-
Start	8224	End	9994
Name	OJ990429_11.9C10.C6.o2.tm	Method	TBLASTX:Maize
Start	3930	End	6306

GI	none	Score	194
Exons	3930..4106, 3931..4107, 3931..4110, 3972..4112, 4167..4244, 4182..4238, 4192..4239, 4305..4496, 4310..4501, 4317..4499, 4318..4506, 5924..5968, 5928..6029, 5929..6033, 6012..6044, 6166..6306, 6171..6245, 6173..6304		

Seq. No.	31559	Seq. ID	OJ990429_11.9C10.C6
Gene No.	65344	Strand	-
Start	8224	End	9994
Name	OJ990429_11.9C10.C6.o2.np	Method	AAT/NAP
Start	8224	End	9994
GI	5922620	Score	96
Exons	8224..8411, 9973..9994		
GI Descrip.	(AP000492) EST D15357(C0514) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa] gi\|6016853\|dbj\|BAA85196.1\| (AP000570) EST D15357(C0514) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	31560	Seq. ID	OJ990429_11.9C10.C7
Gene No.	65345	Strand	+
Start	177	End	4770
Name	OJ990429_11.9C10.C7.o1.gs	Method	GENSCAN
Start	177	End	4756
GI	none	Score	.67
Exons	177..710, 883..1000, 1840..1931, 2154..2216, 2339..2437, 2766..2924, 3460..3531, 3607..3808, 3853..4131, 4276..4377, 4564..4756		

Seq. No.	31560	Seq. ID	OJ990429_11.9C10.C7
Gene No.	65345	Strand	+
Start	177	End	4770
Name	OJ990429_11.9C10.C7.o1.gp	Method	AAT/GAP
Start	340	End	2458
GI	none	Score	960
Exons	340..621, 1840..1931, 2154..2216, 2339..2458		

Seq. No.	31560	Seq. ID	OJ990429_11.9C10.C7
Gene No.	65345	Strand	+
Start	177	End	4770
Name	OJ990429_11.9C10.C7.o2.ts	Method	TBLASTX:Soybean
Start	527	End	2924
GI	none	Score	131
Exons	527..619, 528..620, 1833..1931, 2144..2224, 2151..2237, 2153..2233, 2336..2440, 2338..2436, 2340..2447, 2751..2924, 2753..2920		

Seq. No.	31560	Seq. ID	OJ990429_11.9C10.C7
Gene No.	65345	Strand	+
Start	177	End	4770
Name	OJ990429_11.9C10.C7.o2.tm	Method	TBLASTX:Maize
Start	536	End	2866
GI	none	Score	114
Exons	536..610, 537..620, 567..620, 1833..1931, 1833..1928, 1840..1929, 2151..2237, 2151..2219, 2153..2233, 2336..2440, 2336..2440, 2337..2447, 2338..2445, 2511..2579, 2745..2864, 2751..2861, 2753..2866		

Seq. No.	31560	Seq. ID	OJ990429_11.9C10.C7
Gene No.	65345	Strand	+
Start	177	End	4770
Name	OJ990429_11.9C10.C7.o1.ts	Method	TBLASTX:Soybean
Start	3475	End	4622
GI	none	Score	97
Exons	3475..3531, 3479..3544, 3603..3740, 3603..3740, 3607..3741, 3851..3892, 3852..3929, 3856..3930, 4053..4136, 4274..4375, 4275..4376, 4275..4388, 4279..4377, 4563..4622		

Seq. No.	31560	Seq. ID	OJ990429_11.9C10.C7
Gene No.	65345	Strand	+
Start	177	End	4770
Name	OJ990429_11.9C10.C7.o2.gp	Method	AAT/GAP
Start	3475	End	4346
GI	none	Score	712
Exons	3475..3531, 3607..3739, 3853..3917, 4056..4131, 4276..4346		

Seq. No.	31560	Seq. ID	OJ990429_11.9C10.C7
Gene No.	65345	Strand	+
Start	177	End	4770
Name	OJ990429_11.9C10.C7.o1.tm	Method	TBLASTX:Maize
Start	3651	End	4765
GI	none	Score	153
Exons	3651..3740, 3652..3741, 3852..3929, 3852..3929, 3853..3930, 4051..4131, 4053..4136, 4275..4376, 4275..4385, 4279..4377, 4551..4763, 4563..4763, 4567..4764, 4574..4765		

Seq. No.	31560	Seq. ID	OJ990429_11.9C10.C7
Gene No.	65345	Strand	+
Start	177	End	4770
Name	OJ990429_11.9C10.C7.o1.tc	Method	TBLASTX:Cress
Start	4289	End	4763
GI	none	Score	123
Exons	4289..4375, 4290..4376, 4551..4763, 4563..4745, 4643..4762		

Seq. No.	31560	Seq. ID	OJ990429_11.9C10.C7
Gene No.	65345	Strand	+
Start	177	End	4770
Name	OJ990429_11.9C10.C7.o3.ts	Method	TBLASTX:Soybean
Start	4631	End	4770
GI	none	Score	209
Exons	4631..4738, 4632..4763, 4639..4764, 4639..4770		

Seq. No.	31561	Seq. ID	OJ990429_11.9C10.C8
Gene No.	65346	Strand	+
Start	94	End	5763
Name	OJ990429_11.9C10.C8.o1.gs	Method	GENSCAN
Start	94	End	5763
GI	none	Score	.85
Exons	94..204, 646..783, 1123..1238, 1460..1544, 2095..2154, 2791..2880, 3671..3871, 3944..3988, 4260..4568, 4707..4936, 5333..5569, 5574..5763		

Seq. No.	31561	Seq. ID	OJ990429_11.9C10.C8
Gene No.	65346	Strand	+

Start	94	End	5763
Name	OJ990429_11.9C10.C8.o2.ts	Method	TBLASTX:Soybean
Start	1158	End	3970
GI	none	Score	112
Exons	1158..1238, 1159..1242, 1457..1522, 1458..1544, 2788..2838, 2792..2839, 3206..3283, 3207..3284, 3543..3608, 3544..3603, 3544..3624, 3661..3867, 3668..3871, 3668..3799, 3669..3866, 3670..3867, 3923..3970		

Seq. No.	31561	Seq. ID	OJ990429_11.9C10.C8
Gene No.	65346	Strand	+
Start	94	End	5763
Name	OJ990429_11.9C10.C8.o2.tc	Method	TBLASTX:Cress
Start	3571	End	3988
GI	none	Score	41
Exons	3571..3603, 3663..3716, 3668..3871, 3673..3882, 3923..3988		

Seq. No.	31561	Seq. ID	OJ990429_11.9C10.C8
Gene No.	65346	Strand	+
Start	94	End	5763
Name	OJ990429_11.9C10.C8.o2.np	Method	AAT/NAP
Start	3704	End	5570
GI	3928093	Score	845
Exons	3704..3871, 3944..3988, 4260..4353, 4423..4568, 4707..4936, 5333..5393, 5487..5570		
GI Descrip.	(AC005770) unknown protein [Arabidopsis thaliana]		

Seq. No.	31561	Seq. ID	OJ990429_11.9C10.C8
Gene No.	65346	Strand	+
Start	94	End	5763
Name	OJ990429_11.9C10.C8.o1.tm	Method	TBLASTX:Maize
Start	3950	End	4861
GI	none	Score	70
Exons	3950..3988, 4258..4353, 4259..4354, 4281..4379, 4421..4573, 4422..4568, 4682..4861, 4704..4859, 4705..4860		

Seq. No.	31561	Seq. ID	OJ990429_11.9C10.C8
Gene No.	65346	Strand	+
Start	94	End	5763
Name	OJ990429_11.9C10.C8.o1.ts	Method	TBLASTX:Soybean
Start	4425	End	4916
GI	none	Score	176
Exons	4425..4568, 4426..4569, 4439..4573, 4683..4916, 4696..4887, 4697..4915		

Seq. No.	31561	Seq. ID	OJ990429_11.9C10.C8
Gene No.	65346	Strand	+
Start	94	End	5763
Name	OJ990429_11.9C10.C8.o1.tc	Method	TBLASTX:Cress
Start	4710	End	5413
GI	none	Score	259
Exons	4710..4937, 4712..4915, 5327..5413, 5331..5393		

Seq. No.	31562	Seq. ID	OJ990429_11.9C10.C9
Gene No.	65347	Strand	+
Start	331	End	1240
Name	OJ990429_11.9C10.C9.o1.gs	Method	GENSCAN

Start	331	End	1240
GI	none	Score	.67
Exons	331..391, 990..1240		

Seq. No.	31562	Seq. ID	OJ990429_11.9C10.C9
Gene No.	65348	Strand	-
Start	2684	End	3404
Name	OJ990429_11.9C10.C9.o1.gp	Method	AAT/GAP
Start	2684	End	3300
GI	uC-osroM202001e06a1	Score	822
Exons	2684..2942, 3025..3123, 3207..3300		
GI Descrip.	'3157934 2.0e-24 (AC002131) Similar to hypothetical protein F09E5.8 gb_U37429 from C. elegans. ESTs gb_T42019 and gb_N97000 come from this gene. [Arabidopsis thaliana]'		

Seq. No.	31562	Seq. ID	OJ990429_11.9C10.C9
Gene No.	65348	Strand	-
Start	2684	End	3404
Name	OJ990429_11.9C10.C9.o1.tm	Method	TBLASTX:Maize
Start	2830	End	3341
GI	none	Score	117
Exons	2830..2943, 2860..2949, 3009..3125, 3013..3123, 3014..3136, 3024..3128, 3201..3341, 3206..3283, 3208..3339		

Seq. No.	31562	Seq. ID	OJ990429_11.9C10.C9
Gene No.	65348	Strand	-
Start	2684	End	3404
Name	OJ990429_11.9C10.C9.o1.ts	Method	TBLASTX:Soybean
Start	2868	End	3341
GI	none	Score	97
Exons	2868..2948, 2875..2952, 3013..3123, 3014..3112, 3024..3131, 3185..3337, 3207..3341, 3211..3336		

Seq. No.	31562	Seq. ID	OJ990429_11.9C10.C9
Gene No.	65348	Strand	-
Start	2684	End	3404
Name	OJ990429_11.9C10.C9.o2.gs	Method	GENSCAN
Start	2868	End	3340
GI	none	Score	.76
Exons	2868..2942, 3025..3123, 3207..3340		

Seq. No.	31562	Seq. ID	OJ990429_11.9C10.C9
Gene No.	65348	Strand	-
Start	2684	End	3404
Name	OJ990429_11.9C10.C9.o1.tc	Method	TBLASTX:Cress
Start	2872	End	3148
GI	none	Score	97
Exons	2872..2943, 2874..2948, 3013..3132, 3014..3148		

Seq. No.	31562	Seq. ID	OJ990429_11.9C10.C9
Gene No.	65348	Strand	-
Start	2684	End	3404
Name	OJ990429_11.9C10.C9.o1.np	Method	AAT/NAP
Start	2874	End	3404
GI	3157934	Score	387
Exons	2874..2942, 3025..3123, 3207..3404		
GI Descrip.	(AC002131) Similar to hypothetical protein F09E5.8 gb\|U37429		

from C. elegans. ESTs gb|T42019 and gb|N97000 come from this gene. [Arabidopsis thaliana]

Seq. No.	31563	Seq. ID	OJ990429_11.9C10.C10
Gene No.	65349	Strand	-
Start	65	End	1476
Name	OJ990429_11.9C10.C10.o1.gp	Method	AAT/GAP
Start	65	End	619
GI	uC-osroM202001e06a1	Score	651
Exons	65..294, 377..475, 559..619		
GI Descrip.	'3157934 2.0e-24 (AC002131) Similar to hypothetical protein F09E5.8 gb_U37429 from C. elegans. ESTs gb_T42019 and gb_N97000 come from this gene. [Arabidopsis thaliana]'		

Seq. No.	31563	Seq. ID	OJ990429_11.9C10.C10
Gene No.	65349	Strand	-
Start	65	End	1476
Name	OJ990429_11.9C10.C10.o1.gs	Method	GENSCAN
Start	178	End	1063
GI	none	Score	.93
Exons	178..294, 377..475, 559..692, 976..1063		

Seq. No.	31563	Seq. ID	OJ990429_11.9C10.C10
Gene No.	65349	Strand	-
Start	65	End	1476
Name	OJ990429_11.9C10.C10.o1.tm	Method	TBLASTX:Maize
Start	223	End	1066
GI	none	Score	103
Exons	223..294, 227..295, 227..301, 228..299, 361..477, 365..475, 366..488, 376..480, 553..693, 558..635, 560..691, 975..1064, 976..1065, 977..1066, 978..1064		

Seq. No.	31563	Seq. ID	OJ990429_11.9C10.C10
Gene No.	65349	Strand	-
Start	65	End	1476
Name	OJ990429_11.9C10.C10.o1.tc	Method	TBLASTX:Cress
Start	224	End	500
GI	none	Score	89
Exons	224..295, 226..300, 365..484, 366..500		

Seq. No.	31563	Seq. ID	OJ990429_11.9C10.C10
Gene No.	65349	Strand	-
Start	65	End	1476
Name	OJ990429_11.9C10.C10.o1.np	Method	AAT/NAP
Start	226	End	1476
GI	3157934	Score	443
Exons	226..294, 377..475, 559..692, 976..1063, 1401..1476		
GI Descrip.	(AC002131) Similar to hypothetical protein F09E5.8 gb\|U37429 from C. elegans. ESTs gb\|T42019 and gb\|N97000 come from this gene. [Arabidopsis thaliana]		

Seq. No.	31563	Seq. ID	OJ990429_11.9C10.C10
Gene No.	65349	Strand	-
Start	65	End	1476
Name	OJ990429_11.9C10.C10.o1.ts	Method	TBLASTX:Soybean
Start	226	End	1088
GI	none	Score	89

Exons	226..300, 227..304, 365..475, 366..464, 376..483, 537..689, 559..693, 563..688, 977..1066, 978..1088		
Seq. No.	31563	Seq. ID	OJ990429_11.9C10.C10
Gene No.	65349	Strand	-
Start	65	End	1476
Name	OJ990429_11.9C10.C10.o2.gp	Method	AAT/GAP
Start	609	End	1065
GI	uC-osroM202001e06b1	Score	289
Exons	609..692, 976..1065		
GI Descrip.	'3157934 5.0e-53 (AC002131) Similar to hypothetical protein F09E5.8 gb_U37429 from C. elegans. ESTs gb_T42019 and gb_N97000 come from this gene. [Arabidopsis thaliana]'		
Seq. No.	31564	Seq. ID	OJ990429_11.9C10.C11
Gene No.	65350	Strand	+
Start	376	End	681
Name	OJ990429_11.9C10.C11.o1.gp	Method	AAT/GAP
Start	376	End	681
GI	none	Score	526
Exons	376..681		
Seq. No.	31564	Seq. ID	OJ990429_11.9C10.C11
Gene No.	65351	Strand	-
Start	611	End	722
Name	OJ990429_11.9C10.C11.o1.np	Method	AAT/NAP
Start	611	End	722
GI	3386565	Score	85
Exons	611..722		
GI Descrip.	(AF079588) 1-aminocyclopropane-1-carboxylate oxidase [Sorghum bicolor]		
Seq. No.	31565	Seq. ID	OJ990429_11.9C10.C13
Gene No.	65352	Strand	+
Start	1	End	834
Name	OJ990429_11.9C10.C13.o1.np	Method	AAT/NAP
Start	1	End	834
GI	6539553	Score	1251
Exons	1..834		
GI Descrip.	(AP000836) Similar to Oryza australiensis retrotransposon RIRE1 (D85597) [Oryza sativa] gi\|6539590\|dbj\|BAA88206.1\| (AP000837) Similar to Oryza australiensis retrotransposon RIRE1 (D85597) [Oryza sativa]		
Seq. No.	31565	Seq. ID	OJ990429_11.9C10.C13
Gene No.	65352	Strand	+
Start	1	End	834
Name	OJ990429_11.9C10.C13.o1.ts	Method	TBLASTX:Soybean
Start	59	End	386
GI	none	Score	141
Exons	59..208, 60..212, 213..386, 215..259		
Seq. No.	31565	Seq. ID	OJ990429_11.9C10.C13
Gene No.	65352	Strand	+
Start	1	End	834
Name	OJ990429_11.9C10.C13.o1.tw	Method	TBLASTX:Wheat
Start	59	End	779

GI	none	Score	606
Exons	59..523, 60..500, 544..774, 552..779, 574..771, 632..778		

Seq. No.	31565	Seq. ID	OJ990429_11.9C10.C13
Gene No.	65352	Strand	+
Start	1	End	834
Name	OJ990429_11.9C10.C13.o1.tm	Method	TBLASTX:Maize
Start	60	End	290
GI	none	Score	138
Exons	60..209, 222..290		

Seq. No.	31565	Seq. ID	OJ990429_11.9C10.C13
Gene No.	65352	Strand	+
Start	1	End	834
Name	OJ990429_11.9C10.C13.o1.gs	Method	GENSCAN
Start	197	End	773
GI	none	Score	.72
Exons	197..773		

Seq. No.	31566	Seq. ID	OJ990429_11.9C10.C14
Gene No.	65353	Strand	+
Start	1	End	1906
Name	OJ990429_11.9C10.C14.o1.np	Method	AAT/NAP
Start	1	End	1906
GI	5042454	Score	187
Exons	1..129, 464..553, 1104..1167, 1811..1906		
GI Descrip.	(AC007789) putative polyprotein [Oryza sativa]		

Seq. No.	31566	Seq. ID	OJ990429_11.9C10.C14
Gene No.	65353	Strand	+
Start	1	End	1906
Name	OJ990429_11.9C10.C14.o1.gs	Method	GENSCAN
Start	75	End	751
GI	none	Score	.77
Exons	75..125, 637..751		

Seq. No.	31566	Seq. ID	OJ990429_11.9C10.C14
Gene No.	65353	Strand	+
Start	1	End	1906
Name	OJ990429_11.9C10.C14.o2.np	Method	AAT/NAP
Start	1677	End	1906
GI	2055230	Score	127
Exons	1677..1906		
GI Descrip.	(AB000130) SRC2 [Glycine max]		

Seq. No.	31566	Seq. ID	OJ990429_11.9C10.C14
Gene No.	65354	Strand	-
Start	1556	End	1906
Name	OJ990429_11.9C10.C14.o2.gs	Method	GENSCAN
Start	1556	End	1906
GI	none	Score	.43
Exons	1556..1906		

Seq. No.	31566	Seq. ID	OJ990429_11.9C10.C14
Gene No.	65354	Strand	-
Start	1556	End	1906
Name	OJ990429_11.9C10.C14.o1.tm	Method	TBLASTX:Maize

Start	1680	End	1889
GI	none	Score	221
Exons	1680..1886, 1680..1889		

Seq. No.	31567	Seq. ID	OJ990429_11.9C10.C15
Gene No.	65355	Strand	+
Start	1	End	2281
Name	OJ990429_11.9C10.C15.o1.np	Method	AAT/NAP
Start	1	End	2281
GI	6539553	Score	3839
Exons	1..2281		
GI Descrip.	(AP000836) Similar to Oryza australiensis retrotransposon RIRE1 (D85597) [Oryza sativa] gi\|6539590\|dbj\|BAA88206.1\| (AP000837) Similar to Oryza australiensis retrotransposon RIRE1 (D85597) [Oryza sativa]		

Seq. No.	31567	Seq. ID	OJ990429_11.9C10.C15
Gene No.	65355	Strand	+
Start	1	End	2281
Name	OJ990429_11.9C10.C15.o3.tm	Method	TBLASTX:Maize
Start	62	End	460
GI	none	Score	175
Exons	62..274, 82..240, 101..250, 293..460		

Seq. No.	31567	Seq. ID	OJ990429_11.9C10.C15
Gene No.	65355	Strand	+
Start	1	End	2281
Name	OJ990429_11.9C10.C15.o3.ts	Method	TBLASTX:Soybean
Start	62	End	460
GI	none	Score	197
Exons	62..286, 70..282, 287..460, 289..333		

Seq. No.	31567	Seq. ID	OJ990429_11.9C10.C15
Gene No.	65355	Strand	+
Start	1	End	2281
Name	OJ990429_11.9C10.C15.o2.tc	Method	TBLASTX:Cress
Start	95	End	484
GI	none	Score	113
Exons	95..277, 290..484		

Seq. No.	31567	Seq. ID	OJ990429_11.9C10.C15
Gene No.	65355	Strand	+
Start	1	End	2281
Name	OJ990429_11.9C10.C15.o1.tw	Method	TBLASTX:Wheat
Start	110	End	865
GI	none	Score	633
Exons	110..574, 118..597, 618..848, 626..865, 648..845, 706..864		

Seq. No.	31567	Seq. ID	OJ990429_11.9C10.C15
Gene No.	65355	Strand	+
Start	1	End	2281
Name	OJ990429_11.9C10.C15.o1.ts	Method	TBLASTX:Soybean
Start	785	End	1249
GI	5509260	Score	383
Exons	785..1249, 886..954, 1003..1098, 1171..1230		
GI Descrip.	-		

Seq. No.	31567	Seq. ID	OJ990429_11.9C10.C15
Gene No.	65355	Strand	+
Start	1	End	2281
Name	OJ990429_11.9C10.C15.o1.tc	Method	TBLASTX:Cress
Start	878	End	1138
GI	none	Score	286
Exons	878..1138, 880..957		

Seq. No.	31567	Seq. ID	OJ990429_11.9C10.C15
Gene No.	65355	Strand	+
Start	1	End	2281
Name	OJ990429_11.9C10.C15.o1.tm	Method	TBLASTX:Maize
Start	919	End	1384
GI	none	Score	361
Exons	919..1101, 920..1384, 1055..1237, 1171..1281		

Seq. No.	31567	Seq. ID	OJ990429_11.9C10.C15
Gene No.	65355	Strand	+
Start	1	End	2281
Name	OJ990429_11.9C10.C15.o3.tw	Method	TBLASTX:Wheat
Start	920	End	1465
GI	none	Score	319
Exons	920..1264, 1067..1240, 1259..1465, 1333..1455		

Seq. No.	31567	Seq. ID	OJ990429_11.9C10.C15
Gene No.	65355	Strand	+
Start	1	End	2281
Name	OJ990429_11.9C10.C15.o2.ts	Method	TBLASTX:Soybean
Start	1318	End	1663
GI	none	Score	314
Exons	1318..1518, 1319..1663		

Seq. No.	31567	Seq. ID	OJ990429_11.9C10.C15
Gene No.	65355	Strand	+
Start	1	End	2281
Name	OJ990429_11.9C10.C15.o2.tm	Method	TBLASTX:Maize
Start	1474	End	1813
GI	none	Score	318
Exons	1474..1812, 1475..1813		

Seq. No.	31567	Seq. ID	OJ990429_11.9C10.C15
Gene No.	65355	Strand	+
Start	1	End	2281
Name	OJ990429_11.9C10.C15.o2.tw	Method	TBLASTX:Wheat
Start	1669	End	2145
GI	none	Score	101
Exons	1669..1740, 1670..1744, 1671..1742, 1759..2145, 1760..2107		

Seq. No.	31567	Seq. ID	OJ990429_11.9C10.C15
Gene No.	65355	Strand	+
Start	1	End	2281
Name	OJ990429_11.9C10.C15.o4.ts	Method	TBLASTX:Soybean
Start	1676	End	2017
GI	none	Score	91
Exons	1676..1789, 1702..1782, 1808..2017, 1813..1938		

Seq. No.	31568	Seq. ID	OJ990429_11.9C10.C16

Gene No.	65356	Strand	-
Start	1	End	213
Name	OJ990429_11.9C10.C16.o1.np	Method	AAT/NAP
Start	1	End	213
GI	4127354	Score	103
Exons	1..213		
GI Descrip.	(AJ010452) glutathione transferase [Alopecurus myosuroides]		

Seq. No.	31568	Seq. ID	OJ990429_11.9C10.C16
Gene No.	65356	Strand	-
Start	1	End	213
Name	OJ990429_11.9C10.C16.o1.gs	Method	GENSCAN
Start	89	End	210
GI	none	Score	.91
Exons	89..210		

Seq. No.	31568	Seq. ID	OJ990429_11.9C10.C16
Gene No.	65357	Strand	-
Start	1185	End	3032
Name	OJ990429_11.9C10.C16.o2.gs	Method	GENSCAN
Start	1185	End	3032
GI	none	Score	.62
Exons	1185..1268, 1855..1925, 2359..2434, 2883..3032		

Seq. No.	31568	Seq. ID	OJ990429_11.9C10.C16
Gene No.	65358	Strand	-
Start	5691	End	7412
Name	OJ990429_11.9C10.C16.o1.gp	Method	AAT/GAP
Start	5691	End	6494
GI	4715667	Score	771
Exons	5691..6032, 6406..6494		

Seq. No.	31568	Seq. ID	OJ990429_11.9C10.C16
Gene No.	65358	Strand	-
Start	5691	End	7412
Name	OJ990429_11.9C10.C16.o4.gs	Method	GENSCAN
Start	5859	End	7144
GI	none	Score	.69
Exons	5859..6032, 6406..6481, 6907..7010, 7091..7144		

Seq. No.	31568	Seq. ID	OJ990429_11.9C10.C16
Gene No.	65358	Strand	-
Start	5691	End	7412
Name	OJ990429_11.9C10.C16.o1.ts	Method	TBLASTX:Soybean
Start	6418	End	7346
GI	5058550	Score	89
Exons	6418..6477, 6419..6475, 6420..6476, 6906..7025, 6907..7026, 7076..7159, 7084..7158, 7088..7174, 7089..7166, 7090..7170, 7242..7346		
GI Descrip.	-		

Seq. No.	31568	Seq. ID	OJ990429_11.9C10.C16
Gene No.	65358	Strand	-
Start	5691	End	7412
Name	OJ990429_11.9C10.C16.o1.tm	Method	TBLASTX:Maize
Start	7088	End	7412
GI	none	Score	100

Exons	7088..7159, 7091..7177, 7093..7182, 7093..7197, 7233..7412, 7235..7369		
Seq. No.	31569	Seq. ID	OJ990429_11.9C10.C17
Gene No.	65359	Strand	+
Start	680	End	814
Name	OJ990429_11.9C10.C17.o1.gs	Method	GENSCAN
Start	680	End	814
GI	none	Score	.45
Exons	680..814		
Seq. No.	31569	Seq. ID	OJ990429_11.9C10.C17
Gene No.	65360	Strand	-
Start	545	End	656
Name	OJ990429_11.9C10.C17.o1.gp	Method	AAT/GAP
Start	545	End	656
GI	none	Score	193
Exons	545..656		
Seq. No.	31569	Seq. ID	OJ990429_11.9C10.C17
Gene No.	65361	Strand	-
Start	1222	End	1671
Name	OJ990429_11.9C10.C17.o1.np	Method	AAT/NAP
Start	1222	End	1671
GI	5852093	Score	66
Exons	1222..1338, 1585..1671		
GI Descrip.	(AL117264) zwh16.1 [Oryza sativa]		
Seq. No.	31570	Seq. ID	OJ990429_11.9C10.C19
Gene No.	65362	Strand	-
Start	1	End	114
Name	OJ990429_11.9C10.C19.o1.np	Method	AAT/NAP
Start	1	End	114
GI	5852093	Score	97
Exons	1..114		
GI Descrip.	(AL117264) zwh16.1 [Oryza sativa]		
Seq. No.	31571	Seq. ID	OJ990429_11.9C10.C20
Gene No.	65363	Strand	-
Start	89	End	1160
Name	OJ990429_11.9C10.C20.o1.tm	Method	TBLASTX:Maize
Start	83	End	520
GI	none	Score	90
Exons	83..175, 104..169, 106..171, 280..369, 280..360, 281..370, 285..368, 448..519, 449..520, 449..520		
Seq. No.	31571	Seq. ID	OJ990429_11.9C10.C20
Gene No.	65363	Strand	-
Start	89	End	1160
Name	OJ990429_11.9C10.C20.o1.ts	Method	TBLASTX:Soybean
Start	83	End	735
GI	none	Score	91
Exons	83..178, 106..177, 250..369, 282..368, 445..522, 448..519, 479..520, 651..701, 658..735		
Seq. No.	31571	Seq. ID	OJ990429_11.9C10.C20
Gene No.	65363	Strand	-

Start	89	End	1160
Name	OJ990429_11.9C10.C20.o1.gp	Method	AAT/GAP
Start	89	End	348
GI	none	Score	230
Exons	89..177, 285..348		

Seq. No.	31571	Seq. ID	OJ990429_11.9C10.C20
Gene No.	65363	Strand	-
Start	89	End	1160
Name	OJ990429_11.9C10.C20.o1.gs	Method	GENSCAN
Start	106	End	786
GI	none	Score	.57
Exons	106..203, 616..786		

Seq. No.	31571	Seq. ID	OJ990429_11.9C10.C20
Gene No.	65363	Strand	-
Start	89	End	1160
Name	OJ990429_11.9C10.C20.o2.gp	Method	AAT/GAP
Start	647	End	1160
GI	none	Score	480
Exons	647..786, 1049..1160		

Seq. No.	31572	Seq. ID	OJ990429_11.9C10.C21
Gene No.	65364	Strand	-
Start	895	End	1053
Name	OJ990429_11.9C10.C21.o1.gs	Method	GENSCAN
Start	895	End	1053
GI	none	Score	.46
Exons	895..1053		

Seq. No.	31573	Seq. ID	OJ990429_11.9C10.C22
Gene No.	65365	Strand	-
Start	1	End	2547
Name	OJ990429_11.9C10.C22.o1.np	Method	AAT/NAP
Start	1	End	2232
GI	3157934	Score	357
Exons	1..190, 529..575, 977..1043, 1972..2232		
GI Descrip.	(AC002131) Similar to hypothetical protein F09E5.8 gb\|U37429 from C. elegans. ESTs gb\|T42019 and gb\|N97000 come from this gene. [Arabidopsis thaliana]		

Seq. No.	31573	Seq. ID	OJ990429_11.9C10.C22
Gene No.	65365	Strand	-
Start	1	End	2547
Name	OJ990429_11.9C10.C22.o1.gp	Method	AAT/GAP
Start	100	End	2188
GI	uC-osroM202001e06b1	Score	722
Exons	100..190, 529..575, 977..1043, 1972..2188		
GI Descrip.	'3157934 5.0e-53 (AC002131) Similar to hypothetical protein F09E5.8 gb_U37429 from C. elegans. ESTs gb_T42019 and gb_N97000 come from this gene. [Arabidopsis thaliana]'		

Seq. No.	31573	Seq. ID	OJ990429_11.9C10.C22
Gene No.	65365	Strand	-
Start	1	End	2547
Name	OJ990429_11.9C10.C22.o1.tm	Method	TBLASTX:Maize
Start	105	End	2154

GI	none	Score	80
Exons	105..158, 106..156, 137..193, 141..191, 514..576, 529..576, 978..1046, 982..1047, 984..1049, 1969..2154, 1979..2152		

Seq. No.	31573	Seq. ID	OJ990429_11.9C10.C22
Gene No.	65365	Strand	-
Start	1	End	2547
Name	OJ990429_11.9C10.C22.o1.gs	Method	GENSCAN
Start	131	End	2193
GI	none	Score	.68
Exons	131..190, 529..575, 977..1043, 1846..2193		

Seq. No.	31573	Seq. ID	OJ990429_11.9C10.C22
Gene No.	65365	Strand	-
Start	1	End	2547
Name	OJ990429_11.9C10.C22.o1.tc	Method	TBLASTX:Cress
Start	978	End	2154
GI	none	Score	63
Exons	978..1046, 1012..1047, 1969..2154, 1979..2152		

Seq. No.	31573	Seq. ID	OJ990429_11.9C10.C22
Gene No.	65365	Strand	-
Start	1	End	2547
Name	OJ990429_11.9C10.C22.o2.gp	Method	AAT/GAP
Start	1662	End	2547
GI	15870_2.R1084	Score	256
Exons	1662..1682, 2366..2547		
GI Descrip.	'287403/dbj\|D10838\|RICSBE1 8.0e-69 Rice gene for starch branching enzyme'		

Seq. No.	31574	Seq. ID	OJ990429_11.9C10.C23
Gene No.	65366	Strand	+
Start	381	End	850
Name	OJ990429_11.9C10.C23.o1.gs	Method	GENSCAN
Start	381	End	850
GI	none	Score	.86
Exons	381..503, 748..850		

Seq. No.	31574	Seq. ID	OJ990429_11.9C10.C23
Gene No.	65367	Strand	+
Start	2535	End	3755
Name	OJ990429_11.9C10.C23.o2.gs	Method	GENSCAN
Start	2535	End	3755
GI	none	Score	.9
Exons	2535..3755		

Seq. No.	31575	Seq. ID	OJ990429_11.9C10.C26
Gene No.	65368	Strand	-
Start	1	End	1008
Name	OJ990429_11.9C10.C26.o1.np	Method	AAT/NAP
Start	1	End	1008
GI	4127352	Score	369
Exons	1..21, 200..583, 783..831, 966..1008		
GI Descrip.	(AJ010451) glutathione transferase [Alopecurus myosuroides]		

Seq. No.	31575	Seq. ID	OJ990429_11.9C10.C26
Gene No.	65368	Strand	-

Start	1	End	1008
Name	OJ990429_11.9C10.C26.o1.tw	Method	TBLASTX:Wheat
Start	183	End	832
GI	none	Score	41
Exons	183..272, 204..269, 267..545, 775..831, 785..832	268..504, 531..584, 543..575,	

Seq. No.	31575	Seq. ID	OJ990429_11.9C10.C26
Gene No.	65368	Strand	-
Start	1	End	1008
Name	OJ990429_11.9C10.C26.o1.gs	Method	GENSCAN
Start	195	End	831
GI	none	Score	.95
Exons	195..583, 783..831		

Seq. No.	31575	Seq. ID	OJ990429_11.9C10.C26
Gene No.	65368	Strand	-
Start	1	End	1008
Name	OJ990429_11.9C10.C26.o1.tm	Method	TBLASTX:Maize
Start	258	End	831
GI	none	Score	65
Exons	258..407, 259..315, 405..545,	406..504, 476..568, 775..831	

Seq. No.	31575	Seq. ID	OJ990429_11.9C10.C26
Gene No.	65368	Strand	-
Start	1	End	1008
Name	OJ990429_11.9C10.C26.o1.tc	Method	TBLASTX:Cress
Start	265	End	834
GI	none	Score	55
Exons	265..318, 267..407, 384..515,	546..584, 775..834	

Seq. No.	31576	Seq. ID	OJ990429_11.9C10.C28
Gene No.	65369	Strand	-
Start	1	End	185
Name	OJ990429_11.9C10.C28.o1.gp	Method	AAT/GAP
Start	1	End	185
GI	3071_1.R1084	Score	331
Exons	1..185		
GI Descrip.	'3386565/gb\|AAC28488.1\| 2.0e-15 (AF079588) 1-aminocyclopropane-1-carboxylate oxidase [Sorghum bicolor]'		

Seq. No.	31577	Seq. ID	OJ990429_11.9C10.C29
Gene No.	65370	Strand	-
Start	1	End	562
Name	OJ990429_11.9C10.C29.o1.np	Method	AAT/NAP
Start	1	End	537
GI	3355640	Score	226
Exons	1..95, 309..537		
GI Descrip.	(AJ009684) IVR-like protein [Nicotiana tabacum]		

Seq. No.	31577	Seq. ID	OJ990429_11.9C10.C29
Gene No.	65370	Strand	-
Start	1	End	562
Name	OJ990429_11.9C10.C29.o1.tc	Method	TBLASTX:Cress
Start	308	End	534
GI	none	Score	129
Exons	308..490, 309..491, 330..491,	490..534, 491..532	

Seq. No.	31577	Seq. ID	OJ990429_11.9C10.C29
Gene No.	65370	Strand	-
Start	1	End	562
Name	OJ990429_11.9C10.C29.o1.ts	Method	TBLASTX:Soybean
Start	329	End	562
GI	none	Score	116
Exons	329..490, 330..491, 344..493, 346..492, 470..562, 490..540		

Seq. No.	31577	Seq. ID	OJ990429_11.9C10.C29
Gene No.	65370	Strand	-
Start	1	End	562
Name	OJ990429_11.9C10.C29.o1.tm	Method	TBLASTX:Maize
Start	384	End	562
GI	none	Score	123
Exons	384..491, 386..493, 386..490, 470..562, 490..540		

Seq. No.	31578	Seq. ID	OJ990429_11.9C10.C30
Gene No.	65371	Strand	+
Start	592	End	1020
Name	OJ990429_11.9C10.C30.o1.gs	Method	GENSCAN
Start	592	End	908
GI	none	Score	.44
Exons	592..908		

Seq. No.	31578	Seq. ID	OJ990429_11.9C10.C30
Gene No.	65371	Strand	+
Start	592	End	1020
Name	OJ990429_11.9C10.C30.o2.gp	Method	AAT/GAP
Start	673	End	1020
GI	none	Score	461
Exons	673..970, 993..1020		

Seq. No.	31578	Seq. ID	OJ990429_11.9C10.C30
Gene No.	65372	Strand	-
Start	483	End	688
Name	OJ990429_11.9C10.C30.o1.gp	Method	AAT/GAP
Start	483	End	688
GI	none	Score	342
Exons	483..688		

Seq. No.	31579	Seq. ID	OJ990429_11.9C10.C31
Gene No.	65373	Strand	+
Start	258	End	1929
Name	OJ990429_11.9C10.C31.o1.tm	Method	TBLASTX:Maize
Start	86	End	1748
GI	none	Score	76
Exons	86..157, 86..157, 87..158, 236..325, 237..326, 238..321, 246..326, 431..523, 435..500, 437..502, 680..757, 681..767, 687..767, 1294..1347, 1296..1349, 1301..1375, 1301..1348, 1424..1603, 1467..1601, 1484..1609, 1639..1743, 1654..1743, 1659..1745, 1677..1748		

Seq. No.	31579	Seq. ID	OJ990429_11.9C10.C31
Gene No.	65373	Strand	+
Start	258	End	1929
Name	OJ990429_11.9C10.C31.o1.gp	Method	AAT/GAP

Start	258	End	1681
GI	none	Score	784
Exons	258..321, 429..500, 690..758, 1302..1348, 1478..1681		

Seq. No.	31579	Seq. ID	OJ990429_11.9C10.C31
Gene No.	65373	Strand	+
Start	258	End	1929
Name	OJ990429_11.9C10.C31.o1.gs	Method	GENSCAN
Start	429	End	1928
GI	none	Score	.7
Exons	429..500, 690..758, 1302..1348, 1478..1601, 1677..1745, 1826..1928		

Seq. No.	31579	Seq. ID	OJ990429_11.9C10.C31
Gene No.	65373	Strand	+
Start	258	End	1929
Name	OJ990429_11.9C10.C31.o1.ts	Method	TBLASTX:Soybean
Start	1490	End	1929
GI	5058550	Score	75
Exons	1490..1594, 1662..1748, 1666..1746, 1670..1747, 1677..1760, 1678..1752, 1810..1887, 1811..1894, 1823..1894, 1884..1928, 1888..1929		
GI Descrip.	-		

Seq. No.	31580	Seq. ID	OJ990429_11.9C10.C32
Gene No.	65374	Strand	+
Start	328	End	1026
Name	OJ990429_11.9C10.C32.o1.gp	Method	AAT/GAP
Start	328	End	1011
GI	3071_1.R1084	Score	1307
Exons	328..1011		
GI Descrip.	'3386565/gb\|AAC28488.1\| 2.0e-15 (AF079588) 1-aminocyclopropane-1-carboxylate oxidase [Sorghum bicolor]'		

Seq. No.	31580	Seq. ID	OJ990429_11.9C10.C32
Gene No.	65374	Strand	+
Start	328	End	1026
Name	OJ990429_11.9C10.C32.o1.tc	Method	TBLASTX:Cress
Start	805	End	1007
GI	none	Score	166
Exons	805..1002, 821..1006, 912..1007		

Seq. No.	31580	Seq. ID	OJ990429_11.9C10.C32
Gene No.	65374	Strand	+
Start	328	End	1026
Name	OJ990429_11.9C10.C32.o1.tm	Method	TBLASTX:Maize
Start	805	End	1026
GI	none	Score	113
Exons	805..1026, 820..987, 849..989		

Seq. No.	31580	Seq. ID	OJ990429_11.9C10.C32
Gene No.	65374	Strand	+
Start	328	End	1026
Name	OJ990429_11.9C10.C32.o1.ts	Method	TBLASTX:Soybean
Start	856	End	1007
GI	none	Score	94
Exons	856..1002, 864..1007, 870..998, 883..999		

Seq. No.	31581	Seq. ID	OJ990429_11.9C10.C33
Gene No.	65375	Strand	-
Start	1	End	2336
Name	OJ990429_11.9C10.C33.o1.np	Method	AAT/NAP
Start	1	End	1907
GI	6539553	Score	2898
Exons	1..1907		
GI Descrip.	(AP000836) Similar to Oryza australiensis retrotransposon RIRE1 (D85597) [Oryza sativa] gi\|6539590\|dbj\|BAA88206.1\| (AP000837) Similar to Oryza australiensis retrotransposon RIRE1 (D85597) [Oryza sativa]		

Seq. No.	31581	Seq. ID	OJ990429_11.9C10.C33
Gene No.	65375	Strand	-
Start	1	End	2336
Name	OJ990429_11.9C10.C33.o2.ts	Method	TBLASTX:Soybean
Start	1	End	222
GI	none	Score	107
Exons	1..222, 2..214		

Seq. No.	31581	Seq. ID	OJ990429_11.9C10.C33
Gene No.	65375	Strand	-
Start	1	End	2336
Name	OJ990429_11.9C10.C33.o1.tw	Method	TBLASTX:Wheat
Start	1	End	366
GI	none	Score	118
Exons	1..144, 5..142, 9..155, 10..156, 118..366, 133..366		

Seq. No.	31581	Seq. ID	OJ990429_11.9C10.C33
Gene No.	65375	Strand	-
Start	1	End	2336
Name	OJ990429_11.9C10.C33.o1.tm	Method	TBLASTX:Maize
Start	10	End	444
GI	none	Score	84
Exons	10..444, 35..235		

Seq. No.	31581	Seq. ID	OJ990429_11.9C10.C33
Gene No.	65375	Strand	-
Start	1	End	2336
Name	OJ990429_11.9C10.C33.o1.gs	Method	GENSCAN
Start	56	End	2336
GI	none	Score	.61
Exons	56..556, 839..953, 1067..1923, 2101..2148, 2237..2336		

Seq. No.	31581	Seq. ID	OJ990429_11.9C10.C33
Gene No.	65375	Strand	-
Start	1	End	2336
Name	OJ990429_11.9C10.C33.o1.ts	Method	TBLASTX:Soybean
Start	232	End	618
GI	none	Score	88
Exons	232..480, 463..618		

Seq. No.	31581	Seq. ID	OJ990429_11.9C10.C33
Gene No.	65375	Strand	-
Start	1	End	2336
Name	OJ990429_11.9C10.C33.o2.tm	Method	TBLASTX:Maize

Start	1474	End	1768
GI	none	Score	225
Exons	1474..1689, 1476..1712, 1479..1724, 1706..1768		

Seq. No.	31581	Seq. ID	OJ990429_11.9C10.C33
Gene No.	65375	Strand	-
Start	1	End	2336
Name	OJ990429_11.9C10.C33.o2.tw	Method	TBLASTX:Wheat
Start	1535	End	1913
GI	none	Score	125
Exons	1535..1687, 1536..1715, 1537..1668, 1539..1715, 1710..1913, 1744..1902		

Seq. No.	31582	Seq. ID	OJ990429_11.9C10.C34
Gene No.	65376	Strand	+
Start	143	End	382
Name	OJ990429_11.9C10.C34.o1.gs	Method	GENSCAN
Start	143	End	382
GI	none	Score	.69
Exons	143..382		

Seq. No.	31582	Seq. ID	OJ990429_11.9C10.C34
Gene No.	65377	Strand	-
Start	1815	End	1931
Name	OJ990429_11.9C10.C34.o2.gs	Method	GENSCAN
Start	1815	End	1931
GI	none	Score	.78
Exons	1815..1931		

Seq. No.	31583	Seq. ID	OJ990429_11.9C10.C35
Gene No.	65378	Strand	+
Start	265	End	3304
Name	OJ990429_11.9C10.C35.o1.gs	Method	GENSCAN
Start	265	End	3304
GI	none	Score	.76
Exons	265..350, 1405..1581, 1604..1883, 1942..2200, 3279..3304		

Seq. No.	31583	Seq. ID	OJ990429_11.9C10.C35
Gene No.	65379	Strand	-
Start	4285	End	5032
Name	OJ990429_11.9C10.C35.o1.tm	Method	TBLASTX:Maize
Start	1531	End	1944
GI	none	Score	126
Exons	1531..1593, 1532..1597, 1547..1597, 1587..1757, 1598..1756, 1819..1893, 1873..1944, 1881..1937		

Seq. No.	31583	Seq. ID	OJ990429_11.9C10.C35
Gene No.	65379	Strand	-
Start	4285	End	5032
Name	OJ990429_11.9C10.C35.o1.ts	Method	TBLASTX:Soybean
Start	1629	End	1802
GI	none	Score	192
Exons	1629..1802		

Seq. No.	31583	Seq. ID	OJ990429_11.9C10.C35
Gene No.	65379	Strand	-
Start	4285	End	5032

Name	OJ990429_11.9C10.C35.o2.gs	Method	GENSCAN
Start	4285	End	5032
GI	none	Score	.8
Exons	4285..4326, 4916..5032		

Seq. No.	31584	Seq. ID	OJ990429_11.9C10.C36
Gene No.	65380	Strand	+
Start	567	End	1469
Name	OJ990429_11.9C10.C36.o1.gs	Method	GENSCAN
Start	567	End	1469
GI	none	Score	.55
Exons	567..650, 1118..1469		

Seq. No.	31585	Seq. ID	OJ990429_11.9C10.C37
Gene No.	65381	Strand	+
Start	59	End	365
Name	OJ990429_11.9C10.C37.o1.gs	Method	GENSCAN
Start	59	End	365
GI	none	Score	.83
Exons	59..365		

Seq. No.	31585	Seq. ID	OJ990429_11.9C10.C37
Gene No.	65382	Strand	-
Start	2216	End	2548
Name	OJ990429_11.9C10.C37.o1.np	Method	AAT/NAP
Start	2210	End	2548
GI	3386565	Score	338
Exons	2210..2548		
GI Descrip.	(AF079588) 1-aminocyclopropane-1-carboxylate oxidase [Sorghum bicolor]		

Seq. No.	31585	Seq. ID	OJ990429_11.9C10.C37
Gene No.	65382	Strand	-
Start	2216	End	2548
Name	OJ990429_11.9C10.C37.o2.gs	Method	GENSCAN
Start	2216	End	2422
GI	none	Score	.75
Exons	2216..2422		

Seq. No.	31585	Seq. ID	OJ990429_11.9C10.C37
Gene No.	65382	Strand	-
Start	2216	End	2548
Name	OJ990429_11.9C10.C37.o1.tm	Method	TBLASTX:Maize
Start	2231	End	2537
GI	none	Score	51
Exons	2231..2320, 2244..2324, 2354..2536, 2355..2537		

Seq. No.	31585	Seq. ID	OJ990429_11.9C10.C37
Gene No.	65382	Strand	-
Start	2216	End	2548
Name	OJ990429_11.9C10.C37.o1.ts	Method	TBLASTX:Soybean
Start	2231	End	2547
GI	none	Score	60
Exons	2231..2320, 2232..2318, 2354..2488, 2355..2537, 2491..2547		

Seq. No.	31585	Seq. ID	OJ990429_11.9C10.C37
Gene No.	65382	Strand	-

Start	2216	End	2548
Name	OJ990429_11.9C10.C37.o1.tw	Method	TBLASTX:Wheat
Start	2231	End	2537
GI	none	Score	56
Exons	2231..2320, 2232..2348, 2354..2485, 2355..2537, 2491..2526		

Seq. No.	31586	Seq. ID	OJ990429_11.9C10.C38
Gene No.	65383	Strand	+
Start	5255	End	6474
Name	OJ990429_11.9C10.C38.o2.gp	Method	AAT/GAP
Start	5152	End	6202
GI	16101_1.R1084	Score	1515
Exons	5152..5362, 5638..6202		
GI Descrip.	'3386565/gb\|AAC28488.1\| 1.0e-101 (AF079588) 1-aminocyclopropane-1-carboxylate oxidase [Sorghum bicolor]'		

Seq. No.	31586	Seq. ID	OJ990429_11.9C10.C38
Gene No.	65383	Strand	+
Start	5255	End	6474
Name	OJ990429_11.9C10.C38.o2.np	Method	AAT/NAP
Start	5255	End	6474
GI	3386565	Score	1276
Exons	5255..5362, 5638..6474		
GI Descrip.	(AF079588) 1-aminocyclopropane-1-carboxylate oxidase [Sorghum bicolor]		

Seq. No.	31586	Seq. ID	OJ990429_11.9C10.C38
Gene No.	65383	Strand	+
Start	5255	End	6474
Name	OJ990429_11.9C10.C38.o3.gs	Method	GENSCAN
Start	5255	End	6468
GI	none	Score	.68
Exons	5255..5362, 5638..6207, 6316..6468		

Seq. No.	31586	Seq. ID	OJ990429_11.9C10.C38
Gene No.	65384	Strand	-
Start	1	End	1156
Name	OJ990429_11.9C10.C38.o1.np	Method	AAT/NAP
Start	1	End	1156
GI	3386565	Score	672
Exons	1..434, 1049..1156		
GI Descrip.	(AF079588) 1-aminocyclopropane-1-carboxylate oxidase [Sorghum bicolor]		

Seq. No.	31586	Seq. ID	OJ990429_11.9C10.C38
Gene No.	65384	Strand	-
Start	1	End	1156
Name	OJ990429_11.9C10.C38.o1.gp	Method	AAT/GAP
Start	41	End	1156
GI	16101_1.R1084	Score	888
Exons	41..434, 1049..1156		
GI Descrip.	'3386565/gb\|AAC28488.1\| 1.0e-101 (AF079588) 1-aminocyclopropane-1-carboxylate oxidase [Sorghum bicolor]'		

Seq. No.	31586	Seq. ID	OJ990429_11.9C10.C38
Gene No.	65384	Strand	-
Start	1	End	1156

Name	OJ990429_11.9C10.C38.o1.gs	Method	GENSCAN
Start	52	End	1156
GI	none	Score	.54
Exons	52..372, 387..464, 1049..1156		

Seq. No.	31586	Seq. ID	OJ990429_11.9C10.C38
Gene No.	65385	Strand	-
Start	6404	End	6710
Name	OJ990429_11.9C10.C38.o3.gp	Method	AAT/GAP
Start	6404	End	6710
GI	none	Score	523
Exons	6404..6710		

Seq. No.	31586	Seq. ID	OJ990429_11.9C10.C38
Gene No.	65386	Strand	-
Start	7618	End	10435
Name	OJ990429_11.9C10.C38.o1.tm	Method	TBLASTX:Maize
Start	41	End	6231
GI	none	Score	51
Exons	41..79, 43..78, 67..354, 86..265, 340..447, 348..446, 1040..1111, 1047..1088, 1118..1156, 1118..1165, 5254..5280, 5255..5293, 5255..5293, 5300..5374, 5307..5360, 5323..5364, 5617..5706, 5622..5711, 5625..5987, 5626..6006, 5994..6230, 5995..6231		

Seq. No.	31586	Seq. ID	OJ990429_11.9C10.C38
Gene No.	65386	Strand	-
Start	7618	End	10435
Name	OJ990429_11.9C10.C38.o1.ts	Method	TBLASTX:Soybean
Start	41	End	6452
GI	none	Score	147
Exons	41..265, 43..291, 363..446, 369..440, 376..447, 1040..1108, 1118..1156, 5254..5280, 5255..5293, 5303..5374, 5323..5358, 5625..5696, 5626..5709, 5782..6330, 5808..6329, 6364..6441, 6366..6452		

Seq. No.	31586	Seq. ID	OJ990429_11.9C10.C38
Gene No.	65386	Strand	-
Start	7618	End	10435
Name	OJ990429_11.9C10.C38.o1.tc	Method	TBLASTX:Cress
Start	43	End	6438
GI	none	Score	42
Exons	43..81, 85..207, 241..276, 366..446, 1040..1108, 1118..1156, 5255..5293, 5303..5374, 5626..5706, 5797..5832, 5866..5988, 5991..6329, 5992..6330, 6364..6438		

Seq. No.	31586	Seq. ID	OJ990429_11.9C10.C38
Gene No.	65386	Strand	-
Start	7618	End	10435
Name	OJ990429_11.9C10.C38.o1.tw	Method	TBLASTX:Wheat
Start	6021	End	6270
GI	none	Score	384
Exons	6021..6266, 6022..6270, 6100..6270		

Seq. No.	31586	Seq. ID	OJ990429_11.9C10.C38
Gene No.	65386	Strand	-
Start	7618	End	10435

Name	OJ990429_11.9C10.C38.o4.gs	Method	GENSCAN
Start	7618	End	10435
GI	none	Score	.47
Exons	7618..7682, 8004..8191, 10353..10435		

Seq. No.	31587	Seq. ID	OJ990429_11.9C10.C40
Gene No.	65387	Strand	+
Start	69	End	146
Name	OJ990429_11.9C10.C40.o1.gs	Method	GENSCAN
Start	69	End	146
GI	none	Score	.55
Exons	69..146		

Seq. No.	31588	Seq. ID	OJ990429_11.9C10.C41
Gene No.	65388	Strand	+
Start	976	End	1363
Name	OJ990429_11.9C10.C41.o1.gs	Method	GENSCAN
Start	976	End	1316
GI	none	Score	.72
Exons	976..1149, 1208..1316		

Seq. No.	31588	Seq. ID	OJ990429_11.9C10.C41
Gene No.	65388	Strand	+
Start	976	End	1363
Name	OJ990429_11.9C10.C41.o1.np	Method	AAT/NAP
Start	985	End	1363
GI	2191184	Score	267
Exons	985..1149, 1250..1363		
GI Descrip.	(AF007271) Similar to sodium/hydrogen exchanger; coded for by A. thaliana cDNA T75860 [Arabidopsis thaliana]		

Seq. No.	31588	Seq. ID	OJ990429_11.9C10.C41
Gene No.	65388	Strand	+
Start	976	End	1363
Name	OJ990429_11.9C10.C41.o1.ts	Method	TBLASTX:Soybean
Start	994	End	1351
GI	none	Score	161
Exons	994..1149, 999..1184, 1240..1350, 1244..1351		

Seq. No.	31589	Seq. ID	OJ990429_11.9C10.C47
Gene No.	65389	Strand	+
Start	62	End	180
Name	OJ990429_11.9C10.C47.o1.gs	Method	GENSCAN
Start	62	End	180
GI	none	Score	.71
Exons	62..180		

Seq. No.	31590	Seq. ID	OJ990429_11.9C10.C49
Gene No.	65390	Strand	+
Start	294	End	396
Name	OJ990429_11.9C10.C49.o1.gs	Method	GENSCAN
Start	294	End	396
GI	none	Score	.47
Exons	294..396		

Seq. No.	31591	Seq. ID	OJ990429_11.9C10.C50
Gene No.	65391	Strand	-

Start	55	End	204
Name	OJ990429_11.9C10.C50.o1.gs	Method	GENSCAN
Start	55	End	204
GI	none	Score	.98
Exons	55..204		

Seq. No.	31592	Seq. ID	OJ990809_11.9C01.C1
Gene No.	65392	Strand	+
Start	7100	End	7223
Name	OJ990809_11.9C01.C1.o1.gp	Method	AAT/GAP
Start	7100	End	7223
GI	LIB3434-051-P1-K1-G8	Score	149
Exons	7100..7223		
GI Descrip.	'5670155/gb\|AF161269.1\|AF161269 4.0e-86 Oryza sativa subsp. japonica BAC clone 34K24, complete sequence'		

Seq. No.	31592	Seq. ID	OJ990809_11.9C01.C1
Gene No.	65393	Strand	-
Start	1	End	4641
Name	OJ990809_11.9C01.C1.o1.np	Method	AAT/NAP
Start	1	End	4641
GI	2586082	Score	3494
Exons	1..1848, 2304..4641		
GI Descrip.	(U72725) retrofit [Oryza longistaminata]		

Seq. No.	31592	Seq. ID	OJ990809_11.9C01.C1
Gene No.	65393	Strand	-
Start	1	End	4641
Name	OJ990809_11.9C01.C1.o1.gs	Method	GENSCAN
Start	707	End	4641
GI	none	Score	.62
Exons	707..822, 1021..1146, 1312..1647, 2181..2566, 2588..2781, 2943..3067, 3252..4641		

Seq. No.	31592	Seq. ID	OJ990809_11.9C01.C1
Gene No.	65394	Strand	-
Start	5343	End	7967
Name	OJ990809_11.9C01.C1.o2.tm	Method	TBLASTX:Maize
Start	401	End	649
GI	none	Score	150
Exons	401..643, 401..649, 402..644		

Seq. No.	31592	Seq. ID	OJ990809_11.9C01.C1
Gene No.	65394	Strand	-
Start	5343	End	7967
Name	OJ990809_11.9C01.C1.o2.ts	Method	TBLASTX:Soybean
Start	407	End	788
GI	none	Score	80
Exons	407..583, 411..623, 600..788, 602..787		

Seq. No.	31592	Seq. ID	OJ990809_11.9C01.C1
Gene No.	65394	Strand	-
Start	5343	End	7967
Name	OJ990809_11.9C01.C1.o2.tw	Method	TBLASTX:Wheat
Start	407	End	763
GI	none	Score	178
Exons	407..763, 408..758		

Seq. No.	31592	Seq. ID	OJ990809_11.9C01.C1
Gene No.	65394	Strand	-
Start	5343	End	7967
Name	OJ990809_11.9C01.C1.o1.tm	Method	TBLASTX:Maize
Start	698	End	1144
GI	none	Score	45
Exons	698..1144, 714..791, 903..1061		

Seq. No.	31592	Seq. ID	OJ990809_11.9C01.C1
Gene No.	65394	Strand	-
Start	5343	End	7967
Name	OJ990809_11.9C01.C1.o3.tw	Method	TBLASTX:Wheat
Start	764	End	1276
GI	none	Score	59
Exons	764..946, 932..1276, 1051..1119, 1143..1259, 1196..1261		

Seq. No.	31592	Seq. ID	OJ990809_11.9C01.C1
Gene No.	65394	Strand	-
Start	5343	End	7967
Name	OJ990809_11.9C01.C1.o1.ts	Method	TBLASTX:Soybean
Start	941	End	1456
GI	5509260	Score	104
Exons	941..1456, 957..1118, 968..1123, 1170..1307, 1352..1444		
GI Descrip.	-		

Seq. No.	31592	Seq. ID	OJ990809_11.9C01.C1
Gene No.	65394	Strand	-
Start	5343	End	7967
Name	OJ990809_11.9C01.C1.o2.tc	Method	TBLASTX:Cress
Start	1058	End	1328
GI	none	Score	105
Exons	1058..1327, 1101..1328		

Seq. No.	31592	Seq. ID	OJ990809_11.9C01.C1
Gene No.	65394	Strand	-
Start	5343	End	7967
Name	OJ990809_11.9C01.C1.o6.tm	Method	TBLASTX:Maize
Start	1148	End	1406
GI	none	Score	97
Exons	1148..1405, 1167..1406		

Seq. No.	31592	Seq. ID	OJ990809_11.9C01.C1
Gene No.	65394	Strand	-
Start	5343	End	7967
Name	OJ990809_11.9C01.C1.o4.tw	Method	TBLASTX:Wheat
Start	2458	End	2814
GI	none	Score	58
Exons	2458..2814, 2477..2611, 2636..2677		

Seq. No.	31592	Seq. ID	OJ990809_11.9C01.C1
Gene No.	65394	Strand	-
Start	5343	End	7967
Name	OJ990809_11.9C01.C1.o1.tc	Method	TBLASTX:Cress
Start	2473	End	2920
GI	none	Score	92
Exons	2473..2916, 2642..2920		

Seq. No.	31592	Seq. ID	OJ990809_11.9C01.C1
Gene No.	65394	Strand	-
Start	5343	End	7967
Name	OJ990809_11.9C01.C1.o5.tm	Method	TBLASTX:Maize
Start	2488	End	2811
GI	none	Score	239
Exons	2488..2811		

Seq. No.	31592	Seq. ID	OJ990809_11.9C01.C1
Gene No.	65394	Strand	-
Start	5343	End	7967
Name	OJ990809_11.9C01.C1.o3.ts	Method	TBLASTX:Soybean
Start	2734	End	2947
GI	none	Score	88
Exons	2734..2946, 2741..2947		

Seq. No.	31592	Seq. ID	OJ990809_11.9C01.C1
Gene No.	65394	Strand	-
Start	5343	End	7967
Name	OJ990809_11.9C01.C1.o4.ts	Method	TBLASTX:Soybean
Start	2950	End	3327
GI	none	Score	90
Exons	2950..3096, 3121..3228, 3235..3327		

Seq. No.	31592	Seq. ID	OJ990809_11.9C01.C1
Gene No.	65394	Strand	-
Start	5343	End	7967
Name	OJ990809_11.9C01.C1.o4.tm	Method	TBLASTX:Maize
Start	3409	End	3708
GI	none	Score	86
Exons	3409..3708, 3435..3560, 3439..3708		

Seq. No.	31592	Seq. ID	OJ990809_11.9C01.C1
Gene No.	65394	Strand	-
Start	5343	End	7967
Name	OJ990809_11.9C01.C1.o1.tw	Method	TBLASTX:Wheat
Start	3414	End	3796
GI	none	Score	118
Exons	3414..3749, 3415..3777, 3415..3783, 3470..3796		

Seq. No.	31592	Seq. ID	OJ990809_11.9C01.C1
Gene No.	65394	Strand	-
Start	5343	End	7967
Name	OJ990809_11.9C01.C1.o5.tw	Method	TBLASTX:Wheat
Start	4006	End	4317
GI	none	Score	73
Exons	4006..4317, 4076..4282		

Seq. No.	31592	Seq. ID	OJ990809_11.9C01.C1
Gene No.	65394	Strand	-
Start	5343	End	7967
Name	OJ990809_11.9C01.C1.o3.tm	Method	TBLASTX:Maize
Start	4135	End	4572
GI	none	Score	87
Exons	4135..4329, 4136..4330, 4447..4572		

Seq. No.	31592	Seq. ID	OJ990809_11.9C01.C1
Gene No.	65394	Strand	-
Start	5343	End	7967
Name	OJ990809_11.9C01.C1.o2.gs	Method	GENSCAN
Start	5343	End	7967
GI	none	Score	.82
Exons	5343..5417, 6879..7301, 7398..7597, 7910..7967		

Seq. No.	31592	Seq. ID	OJ990809_11.9C01.C1
Gene No.	65394	Strand	-
Start	5343	End	7967
Name	OJ990809_11.9C01.C1.o2.np	Method	AAT/NAP
Start	6020	End	7699
GI	6539588	Score	196
Exons	6020..6061, 7398..7699		
GI Descrip.	(AP000837) hypothetical protein [Oryza sativa]		

Seq. No.	31593	Seq. ID	OJ990809_11.9C01.C2
Gene No.	65395	Strand	+
Start	1	End	1574
Name	OJ990809_11.9C01.C2.o1.np	Method	AAT/NAP
Start	1	End	1358
GI	6721512	Score	71
Exons	1..38, 1245..1358		
GI Descrip.	(AP001072) hypothetical protein [Oryza sativa]		

Seq. No.	31593	Seq. ID	OJ990809_11.9C01.C2
Gene No.	65395	Strand	+
Start	1	End	1574
Name	OJ990809_11.9C01.C2.o1.gs	Method	GENSCAN
Start	421	End	1574
GI	none	Score	.74
Exons	421..623, 1527..1574		

Seq. No.	31594	Seq. ID	OJ990809_11.9C01.C3
Gene No.	65396	Strand	-
Start	176	End	270
Name	OJ990809_11.9C01.C3.o1.gp	Method	AAT/GAP
Start	176	End	270
GI	LIB3477-003-P1-K1-E9	Score	102
Exons	176..270		
GI Descrip.	'2498586/sp\|Q40638\|MPO1_ORYSA 2.0e-24 MAJOR POLLEN ALLERGEN ORY S 1 PRECURSOR (ORY S I) >gi_1173557 (U31771) Ory s 1 [Oryza sativa]'		

Seq. No.	31594	Seq. ID	OJ990809_11.9C01.C3
Gene No.	65397	Strand	-
Start	2648	End	3014
Name	OJ990809_11.9C01.C3.o2.gp	Method	AAT/GAP
Start	2256	End	2549
GI	none	Score	550
Exons	2256..2549		

Seq. No.	31594	Seq. ID	OJ990809_11.9C01.C3
Gene No.	65397	Strand	-
Start	2648	End	3014
Name	OJ990809_11.9C01.C3.o1.gs	Method	GENSCAN

Start	2648	End	3010
GI	none	Score	.86
Exons	2648..3010		

Seq. No.	31594	Seq. ID	OJ990809_11.9C01.C3
Gene No.	65397	Strand	-
Start	2648	End	3014
Name	OJ990809_11.9C01.C3.o1.tm	Method	TBLASTX:Maize
Start	2684	End	3014
GI	none	Score	267
Exons	2684..2920, 2736..2921, 2928..3014		

Seq. No.	31594	Seq. ID	OJ990809_11.9C01.C3
Gene No.	65397	Strand	-
Start	2648	End	3014
Name	OJ990809_11.9C01.C3.o1.ts	Method	TBLASTX:Soybean
Start	2714	End	2879
GI	none	Score	162
Exons	2714..2878, 2739..2879		

Seq. No.	31594	Seq. ID	OJ990809_11.9C01.C3
Gene No.	65397	Strand	-
Start	2648	End	3014
Name	OJ990809_11.9C01.C3.o1.tc	Method	TBLASTX:Cress
Start	2723	End	2852
GI	none	Score	131
Exons	2723..2851, 2739..2852		

Seq. No.	31594	Seq. ID	OJ990809_11.9C01.C3
Gene No.	65397	Strand	-
Start	2648	End	3014
Name	OJ990809_11.9C01.C3.o1.tw	Method	TBLASTX:Wheat
Start	2813	End	3011
GI	none	Score	148
Exons	2813..2938, 2814..2927, 2928..3011		

Seq. No.	31595	Seq. ID	OJ990809_11.9C01.C5
Gene No.	65398	Strand	+
Start	203	End	3043
Name	OJ990809_11.9C01.C5.o1.gs	Method	GENSCAN
Start	203	End	3043
GI	none	Score	.59
Exons	203..295, 1092..1126, 2479..2698, 2974..3043		

Seq. No.	31595	Seq. ID	OJ990809_11.9C01.C5
Gene No.	65399	Strand	+
Start	3076	End	3180
Name	OJ990809_11.9C01.C5.o1.np	Method	AAT/NAP
Start	3076	End	3180
GI	769716	Score	95
Exons	3076..3180		
GI Descrip.	(D32052) ORF73 [Oryza sativa]		

Seq. No.	31595	Seq. ID	OJ990809_11.9C01.C5
Gene No.	65400	Strand	-
Start	3790	End	4095
Name	OJ990809_11.9C01.C5.o2.gs	Method	GENSCAN

Start	3790	End	4095
GI	none	Score	.73
Exons	3790..3837, 3880..4095		

Seq. No.	31595	Seq. ID	OJ990809_11.9C01.C5
Gene No.	65401	Strand	-
Start	5211	End	6486
Name	OJ990809_11.9C01.C5.o1.gp	Method	AAT/GAP
Start	4956	End	6239
GI	43545_1.R1084	Score	1183
Exons	4956..5350, 5444..5496, 5946..6061, 6153..6239		
GI Descrip.	'2388585 1.0e-38 (AC000098) Similar to Caenorhabditis unknown protein T03F1.1 (gb_U88169). [Arabidopsis thaliana]'		

Seq. No.	31595	Seq. ID	OJ990809_11.9C01.C5
Gene No.	65401	Strand	-
Start	5211	End	6486
Name	OJ990809_11.9C01.C5.o1.tw	Method	TBLASTX:Wheat
Start	5201	End	6247
GI	none	Score	54
Exons	5201..5266, 5212..5295, 5274..5363, 5286..5354, 5287..5355, 5460..5498, 5946..6062, 5947..6063, 6038..6064, 6153..6239, 6153..6239, 6154..6240, 6155..6247		

Seq. No.	31595	Seq. ID	OJ990809_11.9C01.C5
Gene No.	65401	Strand	-
Start	5211	End	6486
Name	OJ990809_11.9C01.C5.o3.gs	Method	GENSCAN
Start	5211	End	6061
GI	none	Score	.78
Exons	5211..5350, 5444..5496, 5946..6061		

Seq. No.	31595	Seq. ID	OJ990809_11.9C01.C5
Gene No.	65401	Strand	-
Start	5211	End	6486
Name	OJ990809_11.9C01.C5.o2.np	Method	AAT/NAP
Start	5214	End	6486
GI	2388585	Score	285
Exons	5214..5350, 5444..5496, 5946..6061, 6153..6239, 6451..6486		
GI Descrip.	(AC000098) Similar to Caenorhabditis unknown protein T03F1.1 (gb\|U88169). [Arabidopsis thaliana]		

Seq. No.	31595	Seq. ID	OJ990809_11.9C01.C5
Gene No.	65401	Strand	-
Start	5211	End	6486
Name	OJ990809_11.9C01.C5.o1.tm	Method	TBLASTX:Maize
Start	5231	End	6253
GI	none	Score	93
Exons	5231..5365, 5265..5369, 5266..5364, 5447..5497, 5452..5496, 5940..6062, 5947..6063, 6153..6239, 6153..6239, 6154..6240, 6155..6253		

Seq. No.	31596	Seq. ID	OJ990809_11.9C01.C6
Gene No.	65402	Strand	-
Start	197	End	1952
Name	OJ990809_11.9C01.C6.o1.gp	Method	AAT/GAP
Start	197	End	1937

GI	43545_2.R1084	Score	658
Exons	197..271, 502..584, 1201..1237, 1398..1544, 1901..1937		
GI Descrip.	'2388585 1.0e-69 (AC000098) Similar to Caenorhabditis unknown protein T03F1.1 (gb_U88169). [Arabidopsis thaliana]'		

Seq. No.	31596	Seq. ID	OJ990809_11.9C01.C6
Gene No.	65402	Strand	-
Start	197	End	1952
Name	OJ990809_11.9C01.C6.o1.gs	Method	GENSCAN
Start	197	End	1544
GI	none	Score	.98
Exons	197..271, 502..584, 1201..1237, 1398..1544		

Seq. No.	31596	Seq. ID	OJ990809_11.9C01.C6
Gene No.	65402	Strand	-
Start	197	End	1952
Name	OJ990809_11.9C01.C6.o1.np	Method	AAT/NAP
Start	197	End	1952
GI	2388585	Score	378
Exons	197..271, 456..584, 1201..1237, 1398..1544, 1901..1952		
GI Descrip.	(AC000098) Similar to Caenorhabditis unknown protein T03F1.1 (gb\|U88169). [Arabidopsis thaliana]		

Seq. No.	31597	Seq. ID	OJ990809_11.9C01.C7
Gene No.	65403	Strand	+
Start	10377	End	10997
Name	OJ990809_11.9C01.C7.o5.np	Method	AAT/NAP
Start	10377	End	10997
GI	6721559	Score	613
Exons	10377..10829, 10860..10997		
GI Descrip.	(AP001073) hypothetical protein [Oryza sativa] gi\|6815084\|dbj\|BAA90370.1\| (AP001081) hypothetical protein [Oryza sativa]		

Seq. No.	31597	Seq. ID	OJ990809_11.9C01.C7
Gene No.	65404	Strand	-
Start	1	End	6451
Name	OJ990809_11.9C01.C7.o1.np	Method	AAT/NAP
Start	1	End	4614
GI	4512618	Score	1539
Exons	1..19, 346..3062, 3090..3746, 3867..4007, 4047..4341, 4405..4614		
GI Descrip.	(AC004793) Strong similarity to gi\|3600044 T12H20.12 protease homolog from Arabidopsis thaliana BAC gb\|AF080119 and is a member of the reverse transcriptase family PF\|00078.		

Seq. No.	31597	Seq. ID	OJ990809_11.9C01.C7
Gene No.	65404	Strand	-
Start	1	End	6451
Name	OJ990809_11.9C01.C7.o2.np	Method	AAT/NAP
Start	332	End	1826
GI	2865202	Score	521
Exons	332..1826		
GI Descrip.	(U19263) ORF [Saccharomyces paradoxus]		

Seq. No.	31597	Seq. ID	OJ990809_11.9C01.C7
Gene No.	65404	Strand	-
Start	1	End	6451

Name	OJ990809_11.9C01.C7.o3.np	Method	AAT/NAP
Start	333	End	4550
GI	4586028	Score	1528
Exons	333..3081, 3118..4341, 4444..4550		
GI Descrip.	(AC007109) putative retroelement pol polyprotein [Arabidopsis thaliana]		

Seq. No.	31597	Seq. ID	OJ990809_11.9C01.C7
Gene No.	65404	Strand	-
Start	1	End	6451
Name	OJ990809_11.9C01.C7.o1.gs	Method	GENSCAN
Start	474	End	6347
GI	none	Score	.71
Exons	474..565, 1217..1564, 1727..1909, 2634..2798, 3011..3168, 3236..3359, 3447..3743, 3867..4041, 4162..4525, 4766..5082, 5865..5978, 6108..6167, 6267..6347		

Seq. No.	31597	Seq. ID	OJ990809_11.9C01.C7
Gene No.	65404	Strand	-
Start	1	End	6451
Name	OJ990809_11.9C01.C7.o4.np	Method	AAT/NAP
Start	3794	End	6344
GI	2388585	Score	127
Exons	3794..3837, 5865..5995, 6210..6344		
GI Descrip.	(AC000098) Similar to Caenorhabditis unknown protein T03F1.1 (gb\|U88169). [Arabidopsis thaliana]		

Seq. No.	31597	Seq. ID	OJ990809_11.9C01.C7
Gene No.	65404	Strand	-
Start	1	End	6451
Name	OJ990809_11.9C01.C7.o1.gp	Method	AAT/GAP
Start	5865	End	6451
GI	17752_1.R1084	Score	651
Exons	5865..5978, 6108..6167, 6267..6451		
GI Descrip.	'2388585 5.0e-48 (AC000098) Similar to Caenorhabditis unknown protein T03F1.1 (gb_U88169). [Arabidopsis thaliana]'		

Seq. No.	31597	Seq. ID	OJ990809_11.9C01.C7
Gene No.	65405	Strand	-
Start	9512	End	14687
Name	OJ990809_11.9C01.C7.o1.ts	Method	TBLASTX:Soybean
Start	351	End	983
GI	none	Score	138
Exons	351..884, 496..816, 888..983		

Seq. No.	31597	Seq. ID	OJ990809_11.9C01.C7
Gene No.	65405	Strand	-
Start	9512	End	14687
Name	OJ990809_11.9C01.C7.o3.tm	Method	TBLASTX:Maize
Start	351	End	881
GI	none	Score	59
Exons	351..575, 505..576, 555..881, 667..747		

Seq. No.	31597	Seq. ID	OJ990809_11.9C01.C7
Gene No.	65405	Strand	-
Start	9512	End	14687
Name	OJ990809_11.9C01.C7.o1.tm	Method	TBLASTX:Maize

Start	1132	End	1551
GI	none	Score	50
Exons	1132..1236, 1140..1448, 1354..1446, 1464..1550, 1468..1551		

Seq. No.	31597	Seq. ID	OJ990809_11.9C01.C7
Gene No.	65405	Strand	-
Start	9512	End	14687
Name	OJ990809_11.9C01.C7.o1.tw	Method	TBLASTX:Wheat
Start	1158	End	1691
GI	none	Score	125
Exons	1158..1358, 1353..1445, 1449..1691, 1450..1677		

Seq. No.	31597	Seq. ID	OJ990809_11.9C01.C7
Gene No.	65405	Strand	-
Start	9512	End	14687
Name	OJ990809_11.9C01.C7.o2.ts	Method	TBLASTX:Soybean
Start	1362	End	1865
GI	5509260	Score	45
Exons	1362..1445, 1452..1865, 1453..1533, 1561..1734		
GI Descrip.	-		

Seq. No.	31597	Seq. ID	OJ990809_11.9C01.C7
Gene No.	65405	Strand	-
Start	9512	End	14687
Name	OJ990809_11.9C01.C7.o1.tc	Method	TBLASTX:Cress
Start	1473	End	1734
GI	none	Score	119
Exons	1473..1733, 1558..1734		

Seq. No.	31597	Seq. ID	OJ990809_11.9C01.C7
Gene No.	65405	Strand	-
Start	9512	End	14687
Name	OJ990809_11.9C01.C7.o5.tm	Method	TBLASTX:Maize
Start	1560	End	1820
GI	none	Score	91
Exons	1560..1820, 1564..1773		

Seq. No.	31597	Seq. ID	OJ990809_11.9C01.C7
Gene No.	65405	Strand	-
Start	9512	End	14687
Name	OJ990809_11.9C01.C7.o3.tw	Method	TBLASTX:Wheat
Start	2168	End	2395
GI	none	Score	229
Exons	2168..2395, 2182..2394		

Seq. No.	31597	Seq. ID	OJ990809_11.9C01.C7
Gene No.	65405	Strand	-
Start	9512	End	14687
Name	OJ990809_11.9C01.C7.o2.tc	Method	TBLASTX:Cress
Start	2180	End	2604
GI	none	Score	53
Exons	2180..2350, 2185..2595, 2323..2604		

Seq. No.	31597	Seq. ID	OJ990809_11.9C01.C7
Gene No.	65405	Strand	-
Start	9512	End	14687
Name	OJ990809_11.9C01.C7.o3.ts	Method	TBLASTX:Soybean

Start	2185	End	2631
GI	none	Score	266
Exons	2185..2631		

Seq. No.	31597	Seq. ID	OJ990809_11.9C01.C7
Gene No.	65405	Strand	-
Start	9512	End	14687
Name	OJ990809_11.9C01.C7.o4.tw	Method	TBLASTX:Wheat
Start	2401	End	2847
GI	none	Score	81
Exons	2401..2847, 2540..2833		

Seq. No.	31597	Seq. ID	OJ990809_11.9C01.C7
Gene No.	65405	Strand	-
Start	9512	End	14687
Name	OJ990809_11.9C01.C7.o2.tm	Method	TBLASTX:Maize
Start	2425	End	2862
GI	none	Score	292
Exons	2425..2862		

Seq. No.	31597	Seq. ID	OJ990809_11.9C01.C7
Gene No.	65405	Strand	-
Start	9512	End	14687
Name	OJ990809_11.9C01.C7.o3.tc	Method	TBLASTX:Cress
Start	2740	End	3021
GI	none	Score	81
Exons	2740..2922, 2741..2908, 3001..3021		

Seq. No.	31597	Seq. ID	OJ990809_11.9C01.C7
Gene No.	65405	Strand	-
Start	9512	End	14687
Name	OJ990809_11.9C01.C7.o4.tm	Method	TBLASTX:Maize
Start	2863	End	3171
GI	none	Score	139
Exons	2863..2922, 2864..3040, 2868..3056, 2980..3021, 3060..3170, 3085..3168, 3094..3171		

Seq. No.	31597	Seq. ID	OJ990809_11.9C01.C7
Gene No.	65405	Strand	-
Start	9512	End	14687
Name	OJ990809_11.9C01.C7.o2.tw	Method	TBLASTX:Wheat
Start	3075	End	3435
GI	none	Score	147
Exons	3075..3260, 3085..3285, 3094..3279, 3292..3435		

Seq. No.	31597	Seq. ID	OJ990809_11.9C01.C7
Gene No.	65405	Strand	-
Start	9512	End	14687
Name	OJ990809_11.9C01.C7.o6.tm	Method	TBLASTX:Maize
Start	4195	End	4431
GI	none	Score	132
Exons	4195..4431, 4216..4431		

Seq. No.	31597	Seq. ID	OJ990809 11.9C01.C7
Gene No.	65405	Strand	-
Start	9512	End	14687
Name	OJ990809_11.9C01.C7.o4.ts	Method	TBLASTX:Soybean

Start	5865	End	5999
GI	none	Score	97
Exons	5865..5984, 5865..5999		

Seq. No.	31597	Seq. ID	OJ990809_11.9C01.C7
Gene No.	65405	Strand	-
Start	9512	End	14687
Name	OJ990809_11.9C01.C7.o2.gs	Method	GENSCAN
Start	9512	End	14687
GI	none	Score	.57
Exons	9512..9616, 10572..10840, 11270..11371, 11962..12059, 12102..12222, 14618..14687		

Seq. No.	31598	Seq. ID	OJ990809_11.9C01.C8
Gene No.	65406	Strand	+
Start	278	End	417
Name	OJ990809_11.9C01.C8.o1.gs	Method	GENSCAN
Start	278	End	417
GI	none	Score	.49
Exons	278..417		

Seq. No.	31598	Seq. ID	OJ990809_11.9C01.C8
Gene No.	65407	Strand	+
Start	2323	End	3273
Name	OJ990809_11.9C01.C8.o1.gp	Method	AAT/GAP
Start	2323	End	2744
GI	none	Score	735
Exons	2323..2744		

Seq. No.	31598	Seq. ID	OJ990809_11.9C01.C8
Gene No.	65407	Strand	+
Start	2323	End	3273
Name	OJ990809_11.9C01.C8.o1.np	Method	AAT/NAP
Start	2619	End	3273
GI	2760321	Score	151
Exons	2619..2823, 2993..3273		
GI Descrip.	(AC002130) F1N21.6 [Arabidopsis thaliana]		

Seq. No.	31598	Seq. ID	OJ990809_11.9C01.C8
Gene No.	65408	Strand	-
Start	2110	End	3218
Name	OJ990809_11.9C01.C8.o2.gs	Method	GENSCAN
Start	2110	End	3218
GI	none	Score	.73
Exons	2110..2803, 2824..3218		

Seq. No.	31599	Seq. ID	OJ990809_11.9C01.C9
Gene No.	65409	Strand	+
Start	1	End	556
Name	OJ990809_11.9C01.C9.o1.np	Method	AAT/NAP
Start	1	End	556
GI	2760321	Score	359
Exons	1..556		
GI Descrip.	(AC002130) F1N21.6 [Arabidopsis thaliana]		

Seq. No.	31599	Seq. ID	OJ990809_11.9C01.C9
Gene No.	65409	Strand	+

Start	1	End	556
Name	OJ990809_11.9C01.C9.o1.gs	Method	GENSCAN
Start	86	End	553
GI	none	Score	.95
Exons	86..553		

Seq. No.	31599	Seq. ID	OJ990809_11.9C01.C9
Gene No.	65410	Strand	+
Start	8515	End	12932
Name	OJ990809_11.9C01.C9.o3.gs	Method	GENSCAN
Start	8515	End	12801
GI	none	Score	.49
Exons	8515..8661, 10076..10882, 11026..11195, 11398..11956, 12296..12555, 12711..12801		

Seq. No.	31599	Seq. ID	OJ990809_11.9C01.C9
Gene No.	65410	Strand	+
Start	8515	End	12932
Name	OJ990809_11.9C01.C9.o3.np	Method	AAT/NAP
Start	11002	End	12932
GI	6815062	Score	1290
Exons	11002..12506, 12731..12801, 12893..12932		
GI Descrip.	(AP001080) Similar to Arabidopsis thaliana chromosome II BAC F16P2 genomic sequence;mudrA like protein (AC004561) [Oryza sativa]		

Seq. No.	31599	Seq. ID	OJ990809_11.9C01.C9
Gene No.	65411	Strand	-
Start	122	End	9756
Name	OJ990809_11.9C01.C9.o1.ts	Method	TBLASTX:Soybean
Start	2	End	478
GI	none	Score	95
Exons	2..103, 191..217, 314..478, 337..456		

Seq. No.	31599	Seq. ID	OJ990809_11.9C01.C9
Gene No.	65411	Strand	-
Start	122	End	9756
Name	OJ990809_11.9C01.C9.o2.np	Method	AAT/NAP
Start	122	End	9756
GI	3044086	Score	145
Exons	122..602, 7056..7290, 9681..9756		
GI Descrip.	(AF055904) unknown [Myxococcus xanthus]		

Seq. No.	31599	Seq. ID	OJ990809_11.9C01.C9
Gene No.	65411	Strand	-
Start	122	End	9756
Name	OJ990809_11.9C01.C9.o1.tc	Method	TBLASTX:Cress
Start	287	End	478
GI	none	Score	185
Exons	287..439, 322..438, 443..478		

Seq. No.	31599	Seq. ID	OJ990809_11.9C01.C9
Gene No.	65411	Strand	-
Start	122	End	9756
Name	OJ990809_11.9C01.C9.o2.gs	Method	GENSCAN
Start	1126	End	7282
GI	none	Score	.68

Exons	1126..1205, 1244..1335, 2713..2755, 3451..3523, 3993..4203, 5653..5789, 5996..6075, 6811..7282		
Seq. No.	31599	Seq. ID	OJ990809_11.9C01.C9
Gene No.	65412	Strand	
Start	11044	End	11584
Name	OJ990809_11.9C01.C9.o1.tm	Method	TBLASTX:Maize
Start	11044	End	11584
GI	none	Score	134
Exons	11044..11199, 11220..11348, 11221..11349, 11349..11477, 11378..11476, 11480..11584		
Seq. No.	31599	Seq. ID	OJ990809_11.9C01.C9
Gene No.	65413	Strand	
Start	11735	End	12013
Name	OJ990809_11.9C01.C9.o2.tm	Method	TBLASTX:Maize
Start	11735	End	12013
GI	none	Score	195
Exons	11735..12013, 11791..12012		
Seq. No.	31600	Seq. ID	OJ990809_11.9C01.C10
Gene No.	65414	Strand	+
Start	1	End	1810
Name	OJ990809_11.9C01.C10.o1.np	Method	AAT/NAP
Start	1	End	1810
GI	6815062	Score	763
Exons	1..458, 544..770, 828..1150, 1227..1325, 1393..1477, 1562..1810		
GI Descrip.	(AP001080) Similar to Arabidopsis thaliana chromosome II BAC F16P2 genomic sequence;mudrA like protein (AC004561) [Oryza sativa]		
Seq. No.	31600	Seq. ID	OJ990809_11.9C01.C10
Gene No.	65414	Strand	+
Start	1	End	1810
Name	OJ990809_11.9C01.C10.o1.tm	Method	TBLASTX:Maize
Start	11	End	305
GI	none	Score	306
Exons	11..301, 15..305		
Seq. No.	31600	Seq. ID	OJ990809_11.9C01.C10
Gene No.	65414	Strand	+
Start	1	End	1810
Name	OJ990809_11.9C01.C10.o1.gs	Method	GENSCAN
Start	348	End	1689
GI	none	Score	.74
Exons	348..458, 659..752, 987..1150, 1227..1325, 1393..1510, 1586..1689		
Seq. No.	31600	Seq. ID	OJ990809_11.9C01.C10
Gene No.	65414	Strand	+
Start	1	End	1810
Name	OJ990809_11.9C01.C10.o2.tm	Method	TBLASTX:Maize
Start	544	End	1150
GI	none	Score	224
Exons	544..753, 594..752, 863..925, 980..1150		
Seq. No.	31601	Seq. ID	OJ990809_11.9C01.C11

Gene No.	65415	Strand	-
Start	9	End	179
Name	OJ990809_11.9C01.C11.o1.gs	Method	GENSCAN
Start	9	End	179
GI	none	Score	.88
Exons	9..179		

Seq. No.	31602	Seq. ID	OJ990809_11.9C01.C12
Gene No.	65416	Strand	-
Start	639	End	1399
Name	OJ990809_11.9C01.C12.o1.tm	Method	TBLASTX:Maize
Start	8	End	550
GI	none	Score	73
Exons	8..136, 15..134, 24..134, 32..157, 35..214, 53..145, 58..234, 61..168, 61..135, 160..285, 160..318, 177..299, 178..330, 178..342, 185..358, 188..328, 188..295, 189..293, 193..345, 193..333, 209..424, 280..507, 281..550, 374..529, 405..530, 419..547, 450..503		

Seq. No.	31602	Seq. ID	OJ990809_11.9C01.C12
Gene No.	65416	Strand	-
Start	639	End	1399
Name	OJ990809_11.9C01.C12.o1.gs	Method	GENSCAN
Start	639	End	1399
GI	none	Score	.59
Exons	639..1136, 1199..1399		

Seq. No.	31603	Seq. ID	OJ990809_11.9C01.C13
Gene No.	65417	Strand	-
Start	1563	End	1952
Name	OJ990809_11.9C01.C13.o1.gs	Method	GENSCAN
Start	1563	End	1952
GI	none	Score	.9
Exons	1563..1952		

Seq. No.	31604	Seq. ID	OJ990809_11.9C01.C14
Gene No.	65418	Strand	+
Start	1901	End	2934
Name	OJ990809_11.9C01.C14.o1.gs	Method	GENSCAN
Start	1901	End	2934
GI	none	Score	.53
Exons	1901..1940, 2534..2595, 2616..2934		

Seq. No.	31605	Seq. ID	OJ990809_11.9C01.C15
Gene No.	65419	Strand	+
Start	10188	End	10321
Name	OJ990809_11.9C01.C15.o1.gp	Method	AAT/GAP
Start	10188	End	10321
GI	32447_1.R1084	Score	229
Exons	10188..10321		
GI Descrip.	'4587550/gb\|AAD25781.1\|AC006577_17 6.0e-11 (AC006577) EST gb_R64848 comes from this gene. [Arabidopsis thaliana]'		

Seq. No.	31605	Seq. ID	OJ990809_11.9C01.C15
Gene No.	65420	Strand	+
Start	13748	End	20092
Name	OJ990809_11.9C01.C15.o4.gs	Method	GENSCAN

Start	13748	End	20092
GI	none	Score	.88
Exons	13748..13760, 14880..15004, 15025..15239, 15282..15452, 15641..15771, 16294..16451, 18008..18050, 19437..20092		

Seq. No.	31605	Seq. ID	OJ990809_11.9C01.C15
Gene No.	65421	Strand	-
Start	1383	End	3541
Name	OJ990809_11.9C01.C15.o1.gs	Method	GENSCAN
Start	1383	End	3541
GI	none	Score	.77
Exons	1383..1543, 2568..2652, 2942..3058, 3149..3541		

Seq. No.	31605	Seq. ID	OJ990809_11.9C01.C15
Gene No.	65422	Strand	-
Start	9798	End	11933
Name	OJ990809_11.9C01.C15.o3.gs	Method	GENSCAN
Start	9798	End	11933
GI	none	Score	.44
Exons	9798..10234, 10427..10550, 10555..10722, 10787..11065, 11542..11724, 11919..11933		

Seq. No.	31605	Seq. ID	OJ990809_11.9C01.C15
Gene No.	65423	Strand	-
Start	23325	End	31412
Name	OJ990809_11.9C01.C15.o5.gs	Method	GENSCAN
Start	23325	End	31412
GI	none	Score	.83
Exons	23325..23458, 24306..26630, 27266..27407, 27441..27517, 27519..27845, 29956..30025, 30606..30718, 31385..31412		

Seq. No.	31605	Seq. ID	OJ990809_11.9C01.C15
Gene No.	65423	Strand	-
Start	23325	End	31412
Name	OJ990809_11.9C01.C15.o2.np	Method	AAT/NAP
Start	24332	End	26198
GI	6730754	Score	853
Exons	24332..25977, 26014..26198		
GI Descrip.	(AC016529) unknown protein [Arabidopsis thaliana]		

Seq. No.	31605	Seq. ID	OJ990809_11.9C01.C15
Gene No.	65423	Strand	-
Start	23325	End	31412
Name	OJ990809_11.9C01.C15.o1.np	Method	AAT/NAP
Start	24344	End	26355
GI	100226	Score	862
Exons	24344..24622, 24650..26121, 26188..26355		
GI Descrip.	hypothetical protein - tomato gi\|19275\|emb\|CAA78112\| (Z12127) protein of unknown function [Lycopersicon esculentum] gi\|445619\|prf\|\|1909366A Leu zipper protein [Lycopersicon esculentum]		

Seq. No.	31605	Seq. ID	OJ990809_11.9C01.C15
Gene No.	65423	Strand	-
Start	23325	End	31412
Name	OJ990809_11.9C01.C15.o2.ts	Method	TBLASTX:Soybean
Start	24391	End	24832

GI	none	Score	70
Exons	24391..24621, 24404..24622, 24685..24831, 24686..24832		

Seq. No.	31605	Seq. ID	OJ990809_11.9C01.C15
Gene No.	65423	Strand	-
Start	23325	End	31412
Name	OJ990809_11.9C01.C15.o4.tm	Method	TBLASTX:Maize
Start	24397	End	24627
GI	none	Score	119
Exons	24397..24549, 24401..24520, 24550..24627, 24578..24613		

Seq. No.	31605	Seq. ID	OJ990809_11.9C01.C15
Gene No.	65423	Strand	-
Start	23325	End	31412
Name	OJ990809_11.9C01.C15.o1.tc	Method	TBLASTX:Cress
Start	24499	End	25107
GI	none	Score	77
Exons	24499..24627, 24685..24804, 24805..24981, 25048..25107		

Seq. No.	31605	Seq. ID	OJ990809_11.9C01.C15
Gene No.	65423	Strand	-
Start	23325	End	31412
Name	OJ990809_11.9C01.C15.o1.tw	Method	TBLASTX:Wheat
Start	24517	End	24951
GI	none	Score	64
Exons	24517..24627, 24578..24628, 24685..24888, 24685..24951		

Seq. No.	31605	Seq. ID	OJ990809_11.9C01.C15
Gene No.	65423	Strand	-
Start	23325	End	31412
Name	OJ990809_11.9C01.C15.o1.tm	Method	TBLASTX:Maize
Start	24678	End	25626
GI	none	Score	280
Exons	24678..24974, 24685..24981, 24686..24952, 24690..24974, 25014..25526, 25014..25439, 25016..25552, 25048..25626, 25049..25615, 25507..25626		

Seq. No.	31605	Seq. ID	OJ990809_11.9C01.C15
Gene No.	65423	Strand	-
Start	23325	End	31412
Name	OJ990809_11.9C01.C15.o1.ts	Method	TBLASTX:Soybean
Start	24838	End	25401
GI	none	Score	77
Exons	24838..24960, 24838..24975, 25048..25257, 25049..25291, 25208..25393, 25252..25401		

Seq. No.	31605	Seq. ID	OJ990809_11.9C01.C15
Gene No.	65423	Strand	-
Start	23325	End	31412
Name	OJ990809_11.9C01.C15.o2.gp	Method	AAT/GAP
Start	24909	End	25303
GI	699987	Score	790
Exons	24909..25303		
GI Descrip.	4587550/gb\|AAD25781.1\|AC006577_17 6.0e-11 (AC006577) EST gb_R64848 comes from this gene. [Arabidopsis thaliana]		

Seq. No.	31605	Seq. ID	OJ990809_11.9C01.C15

Gene No.	65423	Strand	-
Start	23325	End	31412
Name	OJ990809_11.9C01.C15.o2.tc	Method	TBLASTX:Cress
Start	25246	End	25680
GI	none	Score	179
Exons	25246..25422, 25396..25680		

Seq. No.	31605	Seq. ID	OJ990809_11.9C01.C15
Gene No.	65423	Strand	-
Start	23325	End	31412
Name	OJ990809_11.9C01.C15.o3.ts	Method	TBLASTX:Soybean
Start	25408	End	25659
GI	none	Score	259
Exons	25408..25659		

Seq. No.	31605	Seq. ID	OJ990809_11.9C01.C15
Gene No.	65423	Strand	-
Start	23325	End	31412
Name	OJ990809_11.9C01.C15.o2.tm	Method	TBLASTX:Maize
Start	26050	End	26459
GI	none	Score	65
Exons	26050..26148, 26093..26146, 26180..26239, 26182..26214, 26215..26343, 26216..26317, 26248..26343, 26436..26459		

Seq. No.	31605	Seq. ID	OJ990809_11.9C01.C15
Gene No.	65423	Strand	-
Start	23325	End	31412
Name	OJ990809_11.9C01.C15.o3.tm	Method	TBLASTX:Maize
Start	27167	End	27420
GI	none	Score	89
Exons	27167..27262, 27168..27260, 27261..27419, 27262..27420		

Seq. No.	31605	Seq. ID	OJ990809_11.9C01.C15
Gene No.	65423	Strand	-
Start	23325	End	31412
Name	OJ990809_11.9C01.C15.o3.np	Method	AAT/NAP
Start	30012	End	30292
GI	6721512	Score	111
Exons	30012..30152, 30180..30292		
GI Descrip.	(AP001072) hypothetical protein [Oryza sativa]		

Seq. No.	31606	Seq. ID	OJ990809_11.9C01.C16
Gene No.	65424	Strand	+
Start	1399	End	9507
Name	OJ990809_11.9C01.C16.o1.gs	Method	GENSCAN
Start	1399	End	9507
GI	none	Score	.65
Exons	1399..1470, 1695..1790, 4273..4415, 7084..7141, 7618..7684, 7779..8005, 8187..8370, 8530..8647, 8880..9507		

Seq. No.	31606	Seq. ID	OJ990809_11.9C01.C16
Gene No.	65424	Strand	+
Start	1399	End	9507
Name	OJ990809_11.9C01.C16.o1.gp	Method	AAT/GAP
Start	7628	End	8586
GI	7388_1.R1084	Score	1628
Exons	7628..7684, 7779..8586		

GI Descrip.	'3176664 2.0e-29 (AC004393) Contains similarity to beta scruin gb_Z47541 from Limulus polyphemus. ESTs gb_T04493 and gb_AA585955 come from this gene. [Arabidopsis thaliana]'		

Seq. No.	31606	Seq. ID	OJ990809_11.9C01.C16
Gene No.	65425	Strand	+
Start	10905	End	16104
Name	OJ990809_11.9C01.C16.o2.gs	Method	GENSCAN
Start	10905	End	16008
GI	none	Score	.62
Exons	10905..10978, 11088..11247, 12492..12583, 13215..13740, 14260..14420, 15574..16008		

Seq. No.	31606	Seq. ID	OJ990809_11.9C01.C16
Gene No.	65425	Strand	+
Start	10905	End	16104
Name	OJ990809_11.9C01.C16.o1.np	Method	AAT/NAP
Start	11016	End	16104
GI	1785862	Score	1212
Exons	11016..11268, 13245..13740, 15620..16104		
GI Descrip.	(U68756) stearoyl-Acyl-carrier protein desaturase [Elaeis guineensis var. tenera]		

Seq. No.	31606	Seq. ID	OJ990809_11.9C01.C16
Gene No.	65426	Strand	-
Start	9309	End	9848
Name	OJ990809_11.9C01.C16.o4.tm	Method	TBLASTX:Maize
Start	7631	End	8044
GI	none	Score	59
Exons	7631..7687, 7632..7685, 7777..7854, 7799..8044, 7846..8034		

Seq. No.	31606	Seq. ID	OJ990809_11.9C01.C16
Gene No.	65426	Strand	-
Start	9309	End	9848
Name	OJ990809_11.9C01.C16.o2.tc	Method	TBLASTX:Cress
Start	8258	End	8435
GI	none	Score	191
Exons	8258..8434, 8259..8435		

Seq. No.	31606	Seq. ID	OJ990809_11.9C01.C16
Gene No.	65426	Strand	-
Start	9309	End	9848
Name	OJ990809_11.9C01.C16.o3.ts	Method	TBLASTX:Soybean
Start	8265	End	8485
GI	none	Score	252
Exons	8265..8480, 8267..8485, 8268..8480		

Seq. No.	31606	Seq. ID	OJ990809_11.9C01.C16
Gene No.	65426	Strand	-
Start	9309	End	9848
Name	OJ990809_11.9C01.C16.o2.tm	Method	TBLASTX:Maize
Start	8418	End	9174
GI	none	Score	353
Exons	8418..8651, 8419..8664, 8420..8665, 8877..9101, 8878..9099, 9004..9108, 9142..9174		

Seq. No.	31606	Seq. ID	OJ990809_11.9C01.C16

Gene No.	65426	Strand	-
Start	9309	End	9848
Name	OJ990809_11.9C01.C16.o1.ts	Method	TBLASTX:Soybean
Start	9063	End	9519
GI	none	Score	208
Exons	9063..9497, 9063..9506, 9064..9507, 9065..9508, 9091..9519		

Seq. No.	31606	Seq. ID	OJ990809_11.9C01.C16
Gene No.	65426	Strand	-
Start	9309	End	9848
Name	OJ990809_11.9C01.C16.o3.tm	Method	TBLASTX:Maize
Start	9306	End	9519
GI	none	Score	262
Exons	9306..9509, 9307..9507, 9310..9519		

Seq. No.	31606	Seq. ID	OJ990809_11.9C01.C16
Gene No.	65426	Strand	-
Start	9309	End	9848
Name	OJ990809_11.9C01.C16.o2.gp	Method	AAT/GAP
Start	9309	End	9848
GI	2509_1.R1084	Score	947
Exons	9309..9848		
GI Descrip.	'4587550/gb\|AAD25781.1\|AC006577_17 6.0e-11 (AC006577) EST gb_R64848 comes from this gene. [Arabidopsis thaliana]'		

Seq. No.	31606	Seq. ID	OJ990809_11.9C01.C16
Gene No.	65427	Strand	
Start	13179	End	16102
Name	OJ990809_11.9C01.C16.o2.ts	Method	TBLASTX:Soybean
Start	13179	End	16102
GI	none	Score	41
Exons	13179..13238, 13249..13341, 13249..13329, 13323..13577, 13324..13566, 13566..13742, 13567..13740, 15602..16027, 15616..15903, 15964..16017, 16034..16102		

Seq. No.	31606	Seq. ID	OJ990809_11.9C01.C16
Gene No.	65427	Strand	
Start	13179	End	16102
Name	OJ990809_11.9C01.C16.o1.tc	Method	TBLASTX:Cress
Start	13230	End	16102
GI	none	Score	376
Exons	13230..13577, 13249..13566, 13566..13742, 13567..13740, 15602..16027, 15616..15903, 15947..16018, 16034..16102		

Seq. No.	31606	Seq. ID	OJ990809_11.9C01.C16
Gene No.	65427	Strand	
Start	13179	End	16102
Name	OJ990809_11.9C01.C16.o1.tm	Method	TBLASTX:Maize
Start	13248	End	16102
GI	none	Score	403
Exons	13248..13577, 13249..13566, 13566..13742, 13567..13740, 13659..13742, 15602..16027, 15616..15903, 15941..16027, 16034..16102		

Seq. No.	31606	Seq. ID	OJ990809_11.9C01.C16
Gene No.	65427	Strand	
Start	13179	End	16102

Name	OJ990809_11.9C01.C16.o1.tw	Method	TBLASTX:Wheat
Start	15728	End	16081
GI	none	Score	366
Exons	15728..16027, 15802..15903, 15947..16027, 16034..16081		

Seq. No.	31607	Seq. ID	OJ990809_11.9C01.C17
Gene No.	65428	Strand	-
Start	522	End	2265
Name	OJ990809_11.9C01.C17.o1.gs	Method	GENSCAN
Start	522	End	2265
GI	none	Score	.65
Exons	522..545, 1377..1562, 2031..2265		

Seq. No.	31608	Seq. ID	OJ990809_11.9C01.C18
Gene No.	65429	Strand	+
Start	3863	End	3942
Name	OJ990809_11.9C01.C18.o1.gs	Method	GENSCAN
Start	3863	End	3942
GI	none	Score	.4
Exons	3863..3942		

Seq. No.	31609	Seq. ID	OJ990809_11.9C01.C19
Gene No.	65430	Strand	-
Start	11	End	508
Name	OJ990809_11.9C01.C19.o1.gs	Method	GENSCAN
Start	11	End	508
GI	none	Score	.76
Exons	11..508		

Seq. No.	31609	Seq. ID	OJ990809_11.9C01.C19
Gene No.	65431	Strand	-
Start	5063	End	5794
Name	OJ990809_11.9C01.C19.o1.gp	Method	AAT/GAP
Start	4902	End	5465
GI	none	Score	868
Exons	4902..5239, 5338..5465		

Seq. No.	31609	Seq. ID	OJ990809_11.9C01.C19
Gene No.	65431	Strand	-
Start	5063	End	5794
Name	OJ990809_11.9C01.C19.o1.tm	Method	TBLASTX:Maize
Start	4979	End	5794
GI	none	Score	294
Exons	4979..5248, 5010..5240, 5012..5248, 5317..5460, 5318..5458, 5334..5459, 5338..5463, 5635..5781, 5702..5794, 5705..5785, 5706..5786		

Seq. No.	31609	Seq. ID	OJ990809_11.9C01.C19
Gene No.	65431	Strand	-
Start	5063	End	5794
Name	OJ990809_11.9C01.C19.o1.tc	Method	TBLASTX:Cress
Start	5060	End	5794
GI	none	Score	189
Exons	5060..5248, 5061..5240, 5155..5250, 5329..5460, 5336..5458, 5338..5463, 5702..5794, 5707..5778		

Seq. No.	31609	Seq. ID	OJ990809_11.9C01.C19

Gene No.	65431	Strand	-
Start	5063	End	5794
Name	OJ990809_11.9C01.C19.o3.gs	Method	GENSCAN
Start	5063	End	5457
GI	none	Score	.9
Exons	5063..5278, 5338..5457		

Seq. No.	31610	Seq. ID	OJ990809_11.9C01.C20
Gene No.	65432	Strand	+
Start	4677	End	5675
Name	OJ990809_11.9C01.C20.o2.gs	Method	GENSCAN
Start	4677	End	5675
GI	none	Score	.73
Exons	4677..4954, 4964..5287, 5423..5675		

Seq. No.	31610	Seq. ID	OJ990809_11.9C01.C20
Gene No.	65433	Strand	-
Start	101	End	2856
Name	OJ990809_11.9C01.C20.o1.gs	Method	GENSCAN
Start	101	End	2719
GI	none	Score	.69
Exons	101..160, 670..749, 1273..1349, 1407..1428, 2263..2412, 2552..2719		

Seq. No.	31610	Seq. ID	OJ990809_11.9C01.C20
Gene No.	65433	Strand	-
Start	101	End	2856
Name	OJ990809_11.9C01.C20.o1.gp	Method	AAT/GAP
Start	2053	End	2856
GI	30324_1.R1084	Score	1009
Exons	2053..2162, 2263..2412, 2552..2856		
GI Descrip.	'4544372/gb\|AAD22283.1\|AC006920_7 6.0e-26 (AC006920) putative reverse transcriptase [Arabidopsis thaliana]'		

Seq. No.	31610	Seq. ID	OJ990809_11.9C01.C20
Gene No.	65434	Strand	-
Start	7509	End	13558
Name	OJ990809_11.9C01.C20.o1.tc	Method	TBLASTX:Cress
Start	669	End	2722
GI	none	Score	83
Exons	669..752, 1282..1350, 2063..2185, 2065..2163, 2243..2413, 2326..2412, 2547..2720, 2555..2722		

Seq. No.	31610	Seq. ID	OJ990809_11.9C01.C20
Gene No.	65434	Strand	-
Start	7509	End	13558
Name	OJ990809_11.9C01.C20.o3.tm	Method	TBLASTX:Maize
Start	669	End	2722
GI	none	Score	77
Exons	669..749, 670..750, 1263..1349, 1269..1349, 1270..1350, 1270..1350, 2051..2173, 2065..2163, 2245..2412, 2273..2413, 2550..2720, 2552..2722, 2609..2716		

Seq. No.	31610	Seq. ID	OJ990809_11.9C01.C20
Gene No.	65434	Strand	-
Start	7509	End	13558
Name	OJ990809_11.9C01.C20.o2.ts	Method	TBLASTX:Soybean

Start	669	End	2746
GI	none	Score	65
Exons	669..749, 670..750, 1270..1350, 1936..1992, 2063..2167, 2065..2163, 2261..2413, 2269..2412, 2547..2720, 2552..2746		

Seq. No.	31610	Seq. ID	OJ990809_11.9C01.C20
Gene No.	65434	Strand	-
Start	7509	End	13558
Name	OJ990809_11.9C01.C20.o3.gs	Method	GENSCAN
Start	7509	End	13558
GI	none	Score	.69
Exons	7509..7761, 8371..8474, 8631..8714, 8963..9151, 10423..10544, 10557..10694, 10743..10919, 11329..11463, 11783..12088, 12257..12331, 12605..12825, 12895..13105, 13328..13558		

Seq. No.	31610	Seq. ID	OJ990809_11.9C01.C20
Gene No.	65434	Strand	-
Start	7509	End	13558
Name	OJ990809_11.9C01.C20.o1.np	Method	AAT/NAP
Start	7906	End	13111
GI	4206306	Score	1275
Exons	7906..9141, 9354..11367, 11564..12019, 12872..13111		
GI Descrip.	(AF049110) prpol [Zea mays]		

Seq. No.	31610	Seq. ID	OJ990809_11.9C01.C20
Gene No.	65434	Strand	-
Start	7509	End	13558
Name	OJ990809_11.9C01.C20.o4.tw	Method	TBLASTX:Wheat
Start	8364	End	8723
GI	none	Score	184
Exons	8364..8723		

Seq. No.	31610	Seq. ID	OJ990809_11.9C01.C20
Gene No.	65434	Strand	-
Start	7509	End	13558
Name	OJ990809_11.9C01.C20.o3.ts	Method	TBLASTX:Soybean
Start	8484	End	8879
GI	none	Score	90
Exons	8484..8879, 8584..8778, 8601..8846		

Seq. No.	31610	Seq. ID	OJ990809_11.9C01.C20
Gene No.	65434	Strand	-
Start	7509	End	13558
Name	OJ990809_11.9C01.C20.o4.tm	Method	TBLASTX:Maize
Start	8505	End	8885
GI	none	Score	81
Exons	8505..8729, 8724..8885		

Seq. No.	31610	Seq. ID	OJ990809_11.9C01.C20
Gene No.	65434	Strand	-
Start	7509	End	13558
Name	OJ990809_11.9C01.C20.o3.tw	Method	TBLASTX:Wheat
Start	9535	End	9969
GI	none	Score	39
Exons	9535..9819, 9620..9721, 9752..9826, 9880..9969		

Seq. No.	31610	Seq. ID	OJ990809_11.9C01.C20

Gene No.	65434	Strand	-
Start	7509	End	13558
Name	OJ990809_11.9C01.C20.o1.ts	Method	TBLASTX:Soybean
Start	9598	End	10015
GI	none	Score	84
Exons	9598..9840, 9602..9715, 9773..9841, 9877..10014, 9877..10014, 9899..10015		

Seq. No.	31610	Seq. ID	OJ990809_11.9C01.C20
Gene No.	65434	Strand	-
Start	7509	End	13558
Name	OJ990809_11.9C01.C20.o4.ts	Method	TBLASTX:Soybean
Start	10166	End	10635
GI	none	Score	71
Exons	10166..10315, 10354..10635, 10472..10600		

Seq. No.	31610	Seq. ID	OJ990809_11.9C01.C20
Gene No.	65434	Strand	-
Start	7509	End	13558
Name	OJ990809_11.9C01.C20.o1.tm	Method	TBLASTX:Maize
Start	10321	End	10782
GI	none	Score	281
Exons	10321..10782, 10322..10663, 10718..10780		

Seq. No.	31610	Seq. ID	OJ990809_11.9C01.C20
Gene No.	65434	Strand	-
Start	7509	End	13558
Name	OJ990809_11.9C01.C20.o2.tw	Method	TBLASTX:Wheat
Start	10321	End	10632
GI	none	Score	207
Exons	10321..10632		

Seq. No.	31610	Seq. ID	OJ990809_11.9C01.C20
Gene No.	65434	Strand	-
Start	7509	End	13558
Name	OJ990809_11.9C01.C20.o1.tw	Method	TBLASTX:Wheat
Start	10649	End	11058
GI	none	Score	213
Exons	10649..11035, 10651..11058, 10702..10929, 10718..11038		

Seq. No.	31610	Seq. ID	OJ990809_11.9C01.C20
Gene No.	65434	Strand	-
Start	7509	End	13558
Name	OJ990809_11.9C01.C20.o2.tm	Method	TBLASTX:Maize
Start	10783	End	10998
GI	none	Score	87
Exons	10783..10995, 10783..10998, 10784..10996		

Seq. No.	31610	Seq. ID	OJ990809_11.9C01.C20
Gene No.	65434	Strand	-
Start	7509	End	13558
Name	OJ990809_11.9C01.C20.o5.ts	Method	TBLASTX:Soybean
Start	10852	End	11220
GI	none	Score	148
Exons	10852..10986, 11002..11220		

Seq. No.	31610	Seq. ID	OJ990809_11.9C01.C20

Gene No.	65434	Strand	-
Start	7509	End	13558
Name	OJ990809_11.9C01.C20.o6.ts	Method	TBLASTX:Soybean
Start	11706	End	12068
GI	none	Score	188
Exons	11706..12068		

Seq. No.	31611	Seq. ID	OJ990909_15.9C10.C2
Gene No.	65435	Strand	-
Start	73	End	205
Name	OJ990909_15.9C10.C2.o1.gs	Method	GENSCAN
Start	73	End	205
GI	none	Score	.97
Exons	73..205		

Seq. No.	31612	Seq. ID	OJ990909_15.9C10.C4
Gene No.	65436	Strand	-
Start	21	End	1284
Name	OJ990909_15.9C10.C4.o1.gs	Method	GENSCAN
Start	21	End	1284
GI	none	Score	.53
Exons	21..244, 412..581, 1101..1180, 1252..1284		

Seq. No.	31612	Seq. ID	OJ990909_15.9C10.C4
Gene No.	65437	Strand	-
Start	1606	End	3257
Name	OJ990909_15.9C10.C4.o1.np	Method	AAT/NAP
Start	1606	End	3257
GI	6539588	Score	209
Exons	1606..1635, 2963..3257		
GI Descrip.	(AP000837) hypothetical protein [Oryza sativa]		

Seq. No.	31613	Seq. ID	OJ990909_15.9C10.C5
Gene No.	65438	Strand	+
Start	1776	End	2088
Name	OJ990909_15.9C10.C5.o1.gs	Method	GENSCAN
Start	1776	End	2088
GI	none	Score	.86
Exons	1776..1913, 2008..2088		

Seq. No.	31613	Seq. ID	OJ990909_15.9C10.C5
Gene No.	65439	Strand	-
Start	2702	End	3465
Name	OJ990909_15.9C10.C5.o2.gs	Method	GENSCAN
Start	2702	End	3465
GI	none	Score	.87
Exons	2702..2727, 3043..3162, 3367..3465		

Seq. No.	31614	Seq. ID	OJ990909_15.9C10.C6
Gene No.	65440	Strand	+
Start	20	End	1069
Name	OJ990909_15.9C10.C6.o1.gs	Method	GENSCAN
Start	20	End	1069
GI	none	Score	.68
Exons	20..92, 181..354, 924..1069		

Seq. No.	31614	Seq. ID	OJ990909_15.9C10.C6

Gene No.	65441	Strand	-
Start	2965	End	3141
Name	OJ990909_15.9C10.C6.o2.gs	Method	GENSCAN
Start	2965	End	3141
GI	none	Score	.89
Exons	2965..3141		

Seq. No.	31615	Seq. ID	OJ990909_15.9C10.C7
Gene No.	65442	Strand	+
Start	6047	End	7522
Name	OJ990909_15.9C10.C7.o3.gs	Method	GENSCAN
Start	6047	End	7522
GI	none	Score	.8
Exons	6047..6136, 6204..6609, 6663..6796, 7343..7522		

Seq. No.	31615	Seq. ID	OJ990909_15.9C10.C7
Gene No.	65443	Strand	-
Start	70	End	1231
Name	OJ990909_15.9C10.C7.o1.gp	Method	AAT/GAP
Start	70	End	1231
GI	none	Score	857
Exons	70..412, 1113..1231		

Seq. No.	31615	Seq. ID	OJ990909_15.9C10.C7
Gene No.	65443	Strand	-
Start	70	End	1231
Name	OJ990909_15.9C10.C7.o1.tc	Method	TBLASTX:Cress
Start	253	End	407
GI	none	Score	122
Exons	253..396, 255..407		

Seq. No.	31615	Seq. ID	OJ990909_15.9C10.C7
Gene No.	65443	Strand	-
Start	70	End	1231
Name	OJ990909_15.9C10.C7.o1.tm	Method	TBLASTX:Maize
Start	256	End	419
GI	none	Score	134
Exons	256..405, 258..419, 259..405		

Seq. No.	31615	Seq. ID	OJ990909_15.9C10.C7
Gene No.	65443	Strand	-
Start	70	End	1231
Name	OJ990909_15.9C10.C7.o1.ts	Method	TBLASTX:Soybean
Start	256	End	453
GI	none	Score	113
Exons	256..453, 258..452		

Seq. No.	31615	Seq. ID	OJ990909_15.9C10.C7
Gene No.	65443	Strand	-
Start	70	End	1231
Name	OJ990909_15.9C10.C7.o1.gs	Method	GENSCAN
Start	258	End	1176
GI	none	Score	.65
Exons	258..412, 1113..1176		

Seq. No.	31615	Seq. ID	OJ990909_15.9C10.C7
Gene No.	65443	Strand	-

Start	70	End	1231
Name	OJ990909_15.9C10.C7.o1.np	Method	AAT/NAP
Start	261	End	1176
GI	533692	Score	188
Exons	261..422, 1102..1176		
GI Descrip.	(U12150) protease inhibitor [Glycine max]		

Seq. No.	31615	Seq. ID	OJ990909_15.9C10.C7
Gene No.	65443	Strand	-
Start	70	End	1231
Name	OJ990909_15.9C10.C7.o1.tw	Method	TBLASTX:Wheat
Start	261	End	419
GI	none	Score	114
Exons	261..419, 269..406		

Seq. No.	31616	Seq. ID	OJ990909_15.9C10.C8
Gene No.	65444	Strand	+
Start	1	End	1911
Name	OJ990909_15.9C10.C8.o1.np	Method	AAT/NAP
Start	1	End	1911
GI	3402755	Score	1114
Exons	1..1256, 1284..1911		
GI Descrip.	(AL031187) putative transposable element [Arabidopsis thaliana]		

Seq. No.	31616	Seq. ID	OJ990909_15.9C10.C8
Gene No.	65444	Strand	+
Start	1	End	1911
Name	OJ990909_15.9C10.C8.o1.gs	Method	GENSCAN
Start	87	End	1667
GI	none	Score	.64
Exons	87..764, 786..1170, 1375..1667		

Seq. No.	31616	Seq. ID	OJ990909_15.9C10.C8
Gene No.	65444	Strand	+
Start	1	End	1911
Name	OJ990909_15.9C10.C8.o2.tw	Method	TBLASTX:Wheat
Start	119	End	540
GI	none	Score	113
Exons	119..265, 120..266, 121..267, 261..362, 294..350, 351..422, 448..489, 457..540		

Seq. No.	31616	Seq. ID	OJ990909_15.9C10.C8
Gene No.	65444	Strand	+
Start	1	End	1911
Name	OJ990909_15.9C10.C8.o1.tw	Method	TBLASTX:Wheat
Start	1208	End	1874
GI	none	Score	325
Exons	1208..1591, 1209..1661, 1700..1753, 1770..1874		

Seq. No.	31616	Seq. ID	OJ990909_15.9C10.C8
Gene No.	65444	Strand	+
Start	1	End	1911
Name	OJ990909_15.9C10.C8.o1.tm	Method	TBLASTX:Maize
Start	1269	End	1895
GI	none	Score	75
Exons	1269..1334, 1335..1772, 1427..1648, 1673..1768, 1770..1895		

Seq. No.	31616	Seq. ID	OJ990909_15.9C10.C8
Gene No.	65444	Strand	+
Start	1	End	1911
Name	OJ990909_15.9C10.C8.o1.ts	Method	TBLASTX:Soybean
Start	1443	End	1907
GI	none	Score	257
Exons	1443..1772, 1451..1771, 1758..1907		

Seq. No.	31616	Seq. ID	OJ990909_15.9C10.C8
Gene No.	65444	Strand	+
Start	1	End	1911
Name	OJ990909_15.9C10.C8.o1.tc	Method	TBLASTX:Cress
Start	1476	End	1898
GI	none	Score	163
Exons	1476..1754, 1770..1898, 1772..1828		

Seq. No.	31617	Seq. ID	OJ990909_15.9C10.C9
Gene No.	65445	Strand	+
Start	1	End	442
Name	OJ990909_15.9C10.C9.o1.np	Method	AAT/NAP
Start	1	End	442
GI	81286	Score	78
Exons	1..442		
GI Descrip.	extensin - Volvox carteri (fragment) gi\|21992\|emb\|CAA46283\| (X65165) extensin [Volvox carteri]		

Seq. No.	31617	Seq. ID	OJ990909_15.9C10.C9
Gene No.	65446	Strand	-
Start	153	End	320
Name	OJ990909_15.9C10.C9.o1.gs	Method	GENSCAN
Start	153	End	320
GI	none	Score	.8
Exons	153..320		

Seq. No.	31618	Seq. ID	OJ990909_15.9C10.C10
Gene No.	65447	Strand	-
Start	1	End	137
Name	OJ990909_15.9C10.C10.o1.np	Method	AAT/NAP
Start	1	End	137
GI	6907089	Score	207
Exons	1..137		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		

Seq. No.	31619	Seq. ID	OJ990909_15.9C10.C11
Gene No.	65448	Strand	-
Start	139	End	248
Name	OJ990909_15.9C10.C11.o1.gs	Method	GENSCAN
Start	139	End	248
GI	none	Score	.41
Exons	139..248		

Seq. No.	31620	Seq. ID	OJ990909_15.9C10.C12
Gene No.	65449	Strand	+
Start	1	End	2121
Name	OJ990909_15.9C10.C12.o1.np	Method	AAT/NAP
Start	1	End	2121
GI	130582	Score	1393

Exons	1..57, 565..2121
GI Descrip.	RETROVIRUS-RELATED POL POLYPROTEIN FROM TRANSPOSON TNT 1-94 [CONTAINS: PROTEASE ; REVERSE TRANSCRIPTASE ; ENDONUCLEASE] gi\|100342\|pir\|\|S04273 hypothetical protein - common tobacco gi\|20045\|emb\|CAA32025\| (X13777) ORF [Nicotiana tabacum]

Seq. No.	31620	Seq. ID	OJ990909_15.9C10.C12
Gene No.	65450	Strand	+
Start	5699	End	6581
Name	OJ990909_15.9C10.C12.o3.np	Method	AAT/NAP
Start	5699	End	6581
GI	6907089	Score	1395
Exons	5699..6581		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		

Seq. No.	31620	Seq. ID	OJ990909_15.9C10.C12
Gene No.	65451	Strand	-
Start	2543	End	2858
Name	OJ990909_15.9C10.C12.o2.gs	Method	GENSCAN
Start	2543	End	2858
GI	none	Score	.5
Exons	2543..2654, 2728..2858		

Seq. No.	31620	Seq. ID	OJ990909_15.9C10.C12
Gene No.	65452	Strand	-
Start	3255	End	6581
Name	OJ990909_15.9C10.C12.o2.tw	Method	TBLASTX:Wheat
Start	492	End	761
GI	none	Score	309
Exons	492..761, 504..722, 530..760		

Seq. No.	31620	Seq. ID	OJ990909_15.9C10.C12
Gene No.	65452	Strand	-
Start	3255	End	6581
Name	OJ990909_15.9C10.C12.o3.tm	Method	TBLASTX:Maize
Start	758	End	1187
GI	none	Score	321
Exons	758..1054, 759..1187		

Seq. No.	31620	Seq. ID	OJ990909_15.9C10.C12
Gene No.	65452	Strand	-
Start	3255	End	6581
Name	OJ990909_15.9C10.C12.o1.tw	Method	TBLASTX:Wheat
Start	762	End	1541
GI	none	Score	324
Exons	762..1091, 764..1075, 1086..1541		

Seq. No.	31620	Seq. ID	OJ990909_15.9C10.C12
Gene No.	65452	Strand	-
Start	3255	End	6581
Name	OJ990909_15.9C10.C12.o1.ts	Method	TBLASTX:Soybean
Start	783	End	1172
GI	none	Score	379
Exons	783..1172, 785..1075, 927..1130		

Seq. No.	31620	Seq. ID	OJ990909_15.9C10.C12
Gene No.	65452	Strand	-

Start	3255	End	6581
Name	OJ990909_15.9C10.C12.o2.tm	Method	TBLASTX:Maize
Start	1194	End	1639
GI	none	Score	108
Exons	1194..1352, 1202..1282, 1314..1631, 1328..1621, 1448..1639		

Seq. No.	31620	Seq. ID	OJ990909_15.9C10.C12
Gene No.	65452	Strand	-
Start	3255	End	6581
Name	OJ990909_15.9C10.C12.o3.tw	Method	TBLASTX:Wheat
Start	1637	End	2088
GI	none	Score	149
Exons	1637..1858, 1668..1868, 1722..1874, 1939..2088		

Seq. No.	31620	Seq. ID	OJ990909_15.9C10.C12
Gene No.	65452	Strand	-
Start	3255	End	6581
Name	OJ990909_15.9C10.C12.o1.tm	Method	TBLASTX:Maize
Start	1695	End	2115
GI	none	Score	310
Exons	1695..1964, 1697..1942, 1720..1965, 1720..1944, 1722..1970, 1950..2111, 1951..2115, 1986..2111		

Seq. No.	31620	Seq. ID	OJ990909_15.9C10.C12
Gene No.	65452	Strand	-
Start	3255	End	6581
Name	OJ990909_15.9C10.C12.o2.ts	Method	TBLASTX:Soybean
Start	1718	End	2105
GI	none	Score	215
Exons	1718..1963, 1722..1964, 1725..1970, 1951..1989, 2014..2103, 2016..2105		

Seq. No.	31620	Seq. ID	OJ990909_15.9C10.C12
Gene No.	65452	Strand	-
Start	3255	End	6581
Name	OJ990909_15.9C10.C12.o3.gs	Method	GENSCAN
Start	3255	End	6405
GI	none	Score	.53
Exons	3255..3263, 4102..4272, 4601..4644, 4760..4829, 5094..5211, 5654..5798, 5968..6405		

Seq. No.	31620	Seq. ID	OJ990909_15.9C10.C12
Gene No.	65452	Strand	-
Start	3255	End	6581
Name	OJ990909_15.9C10.C12.o2.np	Method	AAT/NAP
Start	4219	End	6581
GI	5042454	Score	82
Exons	4219..4314, 4634..4720, 5272..5415, 6448..6581		
GI Descrip.	(AC007789) putative polyprotein [Oryza sativa]		

Seq. No.	31621	Seq. ID	OJ990909_15.9C10.C13
Gene No.	65453	Strand	+
Start	1	End	1867
Name	OJ990909_15.9C10.C13.o1.np	Method	AAT/NAP
Start	1	End	1864
GI	6539586	Score	2194
Exons	1..1864		

GI Descrip. (AP000837) hypothetical protein [Oryza sativa]

Seq. No.	31621	Seq. ID	OJ990909_15.9C10.C13
Gene No.	65453	Strand	+
Start	1	End	1867
Name	OJ990909_15.9C10.C13.o1.gs	Method	GENSCAN
Start	48	End	1867
GI	none	Score	.93
Exons	48..992, 1047..1411, 1447..1867		

Seq. No.	31621	Seq. ID	OJ990909_15.9C10.C13
Gene No.	65454	Strand	-
Start	2491	End	7946
Name	OJ990909_15.9C10.C13.o2.np	Method	AAT/NAP
Start	2491	End	7946
GI	6498441	Score	7065
Exons	2491..2772, 2866..4263, 4435..5158, 5333..5467, 5651..6024, 6088..6551, 6882..7946		
GI Descrip.	(AP000815) EST C72786(E2258) corresponds to a region of the predicted gene.; Similar to Sorghum bicolor Gypsy-Ty3 type retrotransposon RetroSor1. (AF098806) [Oryza sativa]		

Seq. No.	31621	Seq. ID	OJ990909_15.9C10.C13
Gene No.	65454	Strand	-
Start	2491	End	7946
Name	OJ990909_15.9C10.C13.o7.tw	Method	TBLASTX:Wheat
Start	2500	End	3102
GI	none	Score	77
Exons	2500..2625, 2504..2626, 2812..3102, 2813..3097		

Seq. No.	31621	Seq. ID	OJ990909_15.9C10.C13
Gene No.	65454	Strand	-
Start	2491	End	7946
Name	OJ990909_15.9C10.C13.o4.tw	Method	TBLASTX:Wheat
Start	3103	End	3484
GI	none	Score	211
Exons	3103..3483, 3134..3484		

Seq. No.	31621	Seq. ID	OJ990909_15.9C10.C13
Gene No.	65454	Strand	-
Start	2491	End	7946
Name	OJ990909_15.9C10.C13.o3.tm	Method	TBLASTX:Maize
Start	3259	End	3621
GI	none	Score	195
Exons	3259..3306, 3298..3621, 3311..3592		

Seq. No.	31621	Seq. ID	OJ990909_15.9C10.C13
Gene No.	65454	Strand	-
Start	2491	End	7946
Name	OJ990909_15.9C10.C13.o8.tw	Method	TBLASTX:Wheat
Start	3814	End	4074
GI	none	Score	190
Exons	3814..4074		

Seq. No.	31621	Seq. ID	OJ990909_15.9C10.C13
Gene No.	65454	Strand	-
Start	2491	End	7946

Name	OJ990909_15.9C10.C13.o2.ts	Method	TBLASTX:Soybean
Start	3874	End	4440
GI	5666795	Score	68
Exons	3874..4074, 4129..4266, 4342..4440		
GI Descrip.	4206306 2.0e-10 (AF049110) prpol [Zea mays]		

Seq. No.	31621	Seq. ID	OJ990909_15.9C10.C13
Gene No.	65454	Strand	-
Start	2491	End	7946
Name	OJ990909_15.9C10.C13.o5.tw	Method	TBLASTX:Wheat
Start	4129	End	4587
GI	none	Score	88
Exons	4129..4278, 4130..4267, 4144..4269, 4322..4498, 4339..4563, 4366..4587		

Seq. No.	31621	Seq. ID	OJ990909_15.9C10.C13
Gene No.	65454	Strand	-
Start	2491	End	7946
Name	OJ990909_15.9C10.C13.o1.ts	Method	TBLASTX:Soybean
Start	4996	End	5367
GI	none	Score	91
Exons	4996..5367, 5207..5350		

Seq. No.	31621	Seq. ID	OJ990909_15.9C10.C13
Gene No.	65454	Strand	-
Start	2491	End	7946
Name	OJ990909_15.9C10.C13.o2.tw	Method	TBLASTX:Wheat
Start	5026	End	5446
GI	none	Score	293
Exons	5026..5445, 5051..5446		

Seq. No.	31621	Seq. ID	OJ990909_15.9C10.C13
Gene No.	65454	Strand	-
Start	2491	End	7946
Name	OJ990909_15.9C10.C13.o2.tm	Method	TBLASTX:Maize
Start	5119	End	5503
GI	none	Score	229
Exons	5119..5502, 5138..5503		

Seq. No.	31621	Seq. ID	OJ990909_15.9C10.C13
Gene No.	65454	Strand	-
Start	2491	End	7946
Name	OJ990909_15.9C10.C13.o1.tm	Method	TBLASTX:Maize
Start	5530	End	5886
GI	none	Score	71
Exons	5530..5646, 5530..5886, 5540..5851		

Seq. No.	31621	Seq. ID	OJ990909_15.9C10.C13
Gene No.	65454	Strand	-
Start	2491	End	7946
Name	OJ990909_15.9C10.C13.o1.tw	Method	TBLASTX:Wheat
Start	5554	End	6016
GI	none	Score	214
Exons	5554..6015, 5560..6015, 5561..6016		

Seq. No.	31621	Seq. ID	OJ990909_15.9C10.C13
Gene No.	65454	Strand	-

Start	2491	End	7946
Name	OJ990909_15.9C10.C13.o3.ts	Method	TBLASTX:Soybean
Start	5611	End	5976
GI	none	Score	112
Exons	5611..5745, 5752..5976		

Seq. No.	31621	Seq. ID	OJ990909_15.9C10.C13
Gene No.	65454	Strand	-
Start	2491	End	7946
Name	OJ990909_15.9C10.C13.o3.tw	Method	TBLASTX:Wheat
Start	6181	End	6667
GI	none	Score	163
Exons	6181..6666, 6212..6472, 6536..6667		

Seq. No.	31621	Seq. ID	OJ990909_15.9C10.C13
Gene No.	65454	Strand	-
Start	2491	End	7946
Name	OJ990909_15.9C10.C13.o6.tw	Method	TBLASTX:Wheat
Start	7405	End	7794
GI	none	Score	99
Exons	7405..7662, 7439..7678, 7645..7743, 7646..7726, 7753..7794		

Seq. No.	31621	Seq. ID	OJ990909_15.9C10.C13
Gene No.	65454	Strand	-
Start	2491	End	7946
Name	OJ990909_15.9C10.C13.o4.tm	Method	TBLASTX:Maize
Start	7507	End	7755
GI	none	Score	104
Exons	7507..7755, 7508..7720		

Seq. No.	31622	Seq. ID	OJ990909_15.9C10.C14
Gene No.	65455	Strand	+
Start	1419	End	2408
Name	OJ990909_15.9C10.C14.o1.gs	Method	GENSCAN
Start	1419	End	2408
GI	none	Score	.93
Exons	1419..2051, 2129..2240, 2263..2408		

Seq. No.	31622	Seq. ID	OJ990909_15.9C10.C14
Gene No.	65455	Strand	+
Start	1419	End	2408
Name	OJ990909_15.9C10.C14.o1.gp	Method	AAT/GAP
Start	1559	End	2051
GI	18284_1.R1084	Score	700
Exons	1559..2051		
GI Descrip.	'416316/gb\|U03445\|PRS405 4.0e-20 Yeast integrative vector pRS405 with LEU2 marker, complete sequence'		

Seq. No.	31622	Seq. ID	OJ990909_15.9C10.C14
Gene No.	65456	Strand	+
Start	4944	End	5498
Name	OJ990909_15.9C10.C14.o2.gs	Method	GENSCAN
Start	4944	End	5498
GI	none	Score	.67
Exons	4944..5216, 5475..5498		

Seq. No.	31623	Seq. ID	OJ990909_15.9C10.C15

Gene No.	65457	Strand	+
Start	182	End	412
Name	OJ990909_15.9C10.C15.o1.gs	Method	GENSCAN
Start	182	End	412
GI	none	Score	.66
Exons	182..412		

Seq. No.	31623	Seq. ID	OJ990909_15.9C10.C15
Gene No.	65458	Strand	-
Start	2482	End	2614
Name	OJ990909_15.9C10.C15.o2.gs	Method	GENSCAN
Start	2482	End	2614
GI	none	Score	.87
Exons	2482..2614		

Seq. No.	31624	Seq. ID	OJ990909_15.9C10.C16
Gene No.	65459	Strand	+
Start	253	End	5512
Name	OJ990909_15.9C10.C16.o1.gs	Method	GENSCAN
Start	253	End	3648
GI	none	Score	.76
Exons	253..381, 528..640, 1479..1538, 3078..3189, 3436..3648		

Seq. No.	31624	Seq. ID	OJ990909_15.9C10.C16
Gene No.	65459	Strand	+
Start	253	End	5512
Name	OJ990909_15.9C10.C16.o2.np	Method	AAT/NAP
Start	1701	End	5512
GI	3510251	Score	102
Exons	1701..1741, 3400..3589, 5485..5512		
GI Descrip.	(AC005310) unknown protein [Arabidopsis thaliana]		

Seq. No.	31624	Seq. ID	OJ990909_15.9C10.C16
Gene No.	65459	Strand	+
Start	253	End	5512
Name	OJ990909_15.9C10.C16.o2.gs	Method	GENSCAN
Start	4061	End	4363
GI	none	Score	.97
Exons	4061..4363		

Seq. No.	31624	Seq. ID	OJ990909_15.9C10.C16
Gene No.	65460	Strand	+
Start	6102	End	6216
Name	OJ990909_15.9C10.C16.o2.gp	Method	AAT/GAP
Start	6102	End	6216
GI	69953_1.R1084	Score	124
Exons	6102..6216		
GI Descrip.	'5295936/dbj\|AB026295.2\|AB026295 7.0e-34 Oryza sativa genomic DNA, chromosome 6, clone:P0681F10, complete sequence'		

Seq. No.	31624	Seq. ID	OJ990909_15.9C10.C16
Gene No.	65461	Strand	-
Start	1744	End	2879
Name	OJ990909_15.9C10.C16.o1.gp	Method	AAT/GAP
Start	1744	End	2879
GI	331_10.R1084	Score	1394
Exons	1744..2337, 2751..2879		

GI Descrip.	'3915102/sp\|Q40901\|THG_PETIN 7.0e-10 GAMMA-THIONIN HOMOLOG PPT PRECURSOR >gi_1076652_pir__S52634 gamma-thionin - Petunia inflata >gi_499655 (L27173) gamma-thionin homolog [Petunia inflata]'		

Seq. No.	31624	Seq. ID	OJ990909_15.9C10.C16
Gene No.	65461	Strand	-
Start	1744	End	2879
Name	OJ990909_15.9C10.C16.o1.tm	Method	TBLASTX:Maize
Start	2155	End	2359
GI	none	Score	93
Exons	2155..2268, 2165..2290, 2165..2359, 2166..2309		

Seq. No.	31624	Seq. ID	OJ990909_15.9C10.C16
Gene No.	65461	Strand	-
Start	1744	End	2879
Name	OJ990909_15.9C10.C16.o1.np	Method	AAT/NAP
Start	2168	End	2814
GI	322571	Score	159
Exons	2168..2328, 2745..2814		
GI Descrip.	proteinase inhibitor II - Arabidopsis thaliana gi\|16427\|emb\|CAA48892\| (X69139) protease inhibitor II [Arabidopsis thaliana] gi\|4038041\|gb\|AAC97223.1\| (AC005936) protease inhibitor II [Arabidopsis thaliana]		

Seq. No.	31625	Seq. ID	OJ990909_15.9C10.C17
Gene No.	65462	Strand	-
Start	2813	End	6257
Name	OJ990909_15.9C10.C17.o1.np	Method	AAT/NAP
Start	2813	End	6257
GI	5852181	Score	140
Exons	2813..3049, 6145..6257		
GI Descrip.	(AL117265) zhb0011.1 [Oryza sativa]		

Seq. No.	31626	Seq. ID	OJ990909_15.9C10.C18
Gene No.	65463	Strand	+
Start	731	End	9937
Name	OJ990909_15.9C10.C18.o1.np	Method	AAT/NAP
Start	731	End	1512
GI	6002794	Score	1261
Exons	731..1512		
GI Descrip.	(AF149813) unknown [Oryza sativa]		

Seq. No.	31626	Seq. ID	OJ990909_15.9C10.C18
Gene No.	65463	Strand	+
Start	731	End	9937
Name	OJ990909_15.9C10.C18.o2.np	Method	AAT/NAP
Start	759	End	9937
GI	4680179	Score	4519
Exons	759..793, 2239..2347, 2767..3210, 3296..3445, 6267..6420, 6523..9937		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	31626	Seq. ID	OJ990909_15.9C10.C18
Gene No.	65463	Strand	+
Start	731	End	9937
Name	OJ990909_15.9C10.C18.o2.gp	Method	AAT/GAP

Start	4043	End	4561
GI	uC-osf1M202048c12b1	Score	835
Exons	4043..4561		
GI Descrip.	'5257255/dbj\|AP000364.1\|AP000364 2.0e-16 Oryza sativa genomic DNA, chromosome 8, clone:P0026F07'		

Seq. No.	31626	Seq. ID	OJ990909_15.9C10.C18
Gene No.	65463	Strand	+
Start	731	End	9937
Name	OJ990909_15.9C10.C18.o2.gs	Method	GENSCAN
Start	5001	End	5671
GI	none	Score	.87
Exons	5001..5056, 5061..5337, 5402..5671		

Seq. No.	31626	Seq. ID	OJ990909_15.9C10.C18
Gene No.	65463	Strand	+
Start	731	End	9937
Name	OJ990909_15.9C10.C18.o3.gs	Method	GENSCAN
Start	6867	End	9908
GI	none	Score	.62
Exons	6867..8424, 8487..9016, 9147..9441, 9493..9908		

Seq. No.	31626	Seq. ID	OJ990909_15.9C10.C18
Gene No.	65464	Strand	-
Start	3326	End	3591
Name	OJ990909_15.9C10.C18.o7.tw	Method	TBLASTX:Wheat
Start	2234	End	3018
GI	none	Score	260
Exons	2234..2599, 2239..2340, 2785..3018		

Seq. No.	31626	Seq. ID	OJ990909_15.9C10.C18
Gene No.	65464	Strand	-
Start	3326	End	3591
Name	OJ990909_15.9C10.C18.o6.tm	Method	TBLASTX:Maize
Start	2480	End	3198
GI	none	Score	171
Exons	2480..2710, 2899..3198		

Seq. No.	31626	Seq. ID	OJ990909_15.9C10.C18
Gene No.	65464	Strand	-
Start	3326	End	3591
Name	OJ990909_15.9C10.C18.o1.gp	Method	AAT/GAP
Start	3326	End	3591
GI	61605_3.R1084	Score	443
Exons	3326..3591		
GI Descrip.	'1402920/emb\|CAA66965\| 2.0e-20 (X98321) peroxidase [Arabidopsis thaliana]'		

Seq. No.	31626	Seq. ID	OJ990909_15.9C10.C18
Gene No.	65465	Strand	
Start	6372	End	6818
Name	OJ990909_15.9C10.C18.o8.tw	Method	TBLASTX:Wheat
Start	6372	End	6818
GI	none	Score	72
Exons	6372..6425, 6543..6818, 6602..6712		

Seq. No.	31626	Seq. ID	OJ990909_15.9C10.C18

Gene No.	65466	Strand	
Start	7103	End	7973
Name	OJ990909_15.9C10.C18.o4.tw	Method	TBLASTX:Wheat
Start	7103	End	7586
GI	none	Score	539
Exons	7103..7552, 7104..7586, 7131..7577		

Seq. No.	31626	Seq. ID	OJ990909_15.9C10.C18
Gene No.	65466	Strand	
Start	7103	End	7973
Name	OJ990909_15.9C10.C18.o5.tm	Method	TBLASTX:Maize
Start	7115	End	7403
GI	none	Score	331
Exons	7115..7402, 7116..7403, 7125..7403		

Seq. No.	31626	Seq. ID	OJ990909_15.9C10.C18
Gene No.	65466	Strand	
Start	7103	End	7973
Name	OJ990909_15.9C10.C18.o3.tm	Method	TBLASTX:Maize
Start	7473	End	7973
GI	none	Score	159
Exons	7473..7652, 7638..7973		

Seq. No.	31626	Seq. ID	OJ990909_15.9C10.C18
Gene No.	65466	Strand	
Start	7103	End	7973
Name	OJ990909_15.9C10.C18.o1.ts	Method	TBLASTX:Soybean
Start	7527	End	7922
GI	none	Score	49
Exons	7527..7559, 7563..7922, 7565..7639, 7679..7894		

Seq. No.	31626	Seq. ID	OJ990909_15.9C10.C18
Gene No.	65466	Strand	
Start	7103	End	7973
Name	OJ990909_15.9C10.C18.o6.tw	Method	TBLASTX:Wheat
Start	7635	End	7931
GI	none	Score	369
Exons	7635..7931, 7679..7894		

Seq. No.	31626	Seq. ID	OJ990909_15.9C10.C18
Gene No.	65467	Strand	
Start	7937	End	8373
Name	OJ990909_15.9C10.C18.o2.tw	Method	TBLASTX:Wheat
Start	7937	End	8363
GI	none	Score	606
Exons	7937..8326, 7938..8363, 7941..8348, 7999..8361		

Seq. No.	31626	Seq. ID	OJ990909_15.9C10.C18
Gene No.	65467	Strand	
Start	7937	End	8373
Name	OJ990909_15.9C10.C18.o3.ts	Method	TBLASTX:Soybean
Start	7944	End	8189
GI	none	Score	213
Exons	7944..8189		

Seq. No.	31626	Seq. ID	OJ990909_15.9C10.C18
Gene No.	65467	Strand	

Start	7937	End	8373
Name	OJ990909_15.9C10.C18.o2.tm	Method	TBLASTX:Maize
Start	8010	End	8373
GI	none	Score	474
Exons	8010..8363, 8012..8311, 8062..8373		

Seq. No.	31626	Seq. ID	OJ990909_15.9C10.C18
Gene No.	65468	Strand	
Start	8405	End	8995
Name	OJ990909_15.9C10.C18.o3.tw	Method	TBLASTX:Wheat
Start	8405	End	8929
GI	none	Score	579
Exons	8405..8929, 8557..8925		

Seq. No.	31626	Seq. ID	OJ990909_15.9C10.C18
Gene No.	65468	Strand	
Start	8405	End	8995
Name	OJ990909_15.9C10.C18.o1.tc	Method	TBLASTX:Cress
Start	8636	End	8953
GI	none	Score	101
Exons	8636..8809, 8657..8809, 8810..8953, 8812..8937		

Seq. No.	31626	Seq. ID	OJ990909_15.9C10.C18
Gene No.	65468	Strand	
Start	8405	End	8995
Name	OJ990909_15.9C10.C18.o2.ts	Method	TBLASTX:Soybean
Start	8722	End	8977
GI	none	Score	300
Exons	8722..8967, 8729..8977, 8849..8977		

Seq. No.	31626	Seq. ID	OJ990909_15.9C10.C18
Gene No.	65468	Strand	
Start	8405	End	8995
Name	OJ990909_15.9C10.C18.o4.tm	Method	TBLASTX:Maize
Start	8736	End	8995
GI	none	Score	101
Exons	8736..8927, 8737..8967, 8738..8995, 8738..8986		

Seq. No.	31626	Seq. ID	OJ990909_15.9C10.C18
Gene No.	65469	Strand	
Start	8936	End	9893
Name	OJ990909_15.9C10.C18.o1.tw	Method	TBLASTX:Wheat
Start	8936	End	9560
GI	none	Score	74
Exons	8936..9022, 9029..9436, 9030..9560		

Seq. No.	31626	Seq. ID	OJ990909_15.9C10.C18
Gene No.	65469	Strand	
Start	8936	End	9893
Name	OJ990909_15.9C10.C18.o1.tm	Method	TBLASTX:Maize
Start	9117	End	9710
GI	none	Score	212
Exons	9117..9275, 9122..9268, 9272..9415, 9273..9710, 9393..9509, 9491..9700, 9615..9710		

Seq. No.	31626	Seq. ID	OJ990909_15.9C10.C18
Gene No.	65469	Strand	

Start	8936	End	9893
Name	OJ990909_15.9C10.C18.o5.tw	Method	TBLASTX:Wheat
Start	9561	End	9893
GI	none	Score	374
Exons	9561..9893, 9567..9872		

Seq. No.	31626	Seq. ID	OJ990909_15.9C10.C18
Gene No.	65469	Strand	
Start	8936	End	9893
Name	OJ990909_15.9C10.C18.o7.tm	Method	TBLASTX:Maize
Start	9717	End	9878
GI	none	Score	188
Exons	9717..9875, 9720..9878		

Seq. No.	31627	Seq. ID	OJ990909_15.9C10.C19
Gene No.	65470	Strand	+
Start	3704	End	5405
Name	OJ990909_15.9C10.C19.o2.gs	Method	GENSCAN
Start	3704	End	5405
GI	none	Score	.7
Exons	3704..3757, 4319..4448, 4510..4597, 4685..4854, 4963..5112, 5386..5405		

Seq. No.	31627	Seq. ID	OJ990909_15.9C10.C19
Gene No.	65471	Strand	-
Start	574	End	2390
Name	OJ990909_15.9C10.C19.o1.gs	Method	GENSCAN
Start	574	End	2390
GI	none	Score	.52
Exons	574..1107, 2253..2390		

Seq. No.	31627	Seq. ID	OJ990909_15.9C10.C19
Gene No.	65471	Strand	-
Start	574	End	2390
Name	OJ990909_15.9C10.C19.o1.np	Method	AAT/NAP
Start	966	End	2390
GI	6907088	Score	1174
Exons	966..1351, 1838..2077, 2253..2390		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		

Seq. No.	31627	Seq. ID	OJ990909_15.9C10.C19
Gene No.	65472	Strand	-
Start	13208	End	14324
Name	OJ990909_15.9C10.C19.o3.np	Method	AAT/NAP
Start	13208	End	14324
GI	4234852	Score	1231
Exons	13208..14324		
GI Descrip.	(AF082133) gag-pol polyprotein [Zea mays]		

Seq. No.	31627	Seq. ID	OJ990909_15.9C10.C19
Gene No.	65472	Strand	-
Start	13208	End	14324
Name	OJ990909_15.9C10.C19.o2.tw	Method	TBLASTX:Wheat
Start	13259	End	13689
GI	none	Score	113
Exons	13259..13654, 13425..13658, 13471..13689		

Seq. No.	31627	Seq. ID	OJ990909_15.9C10.C19
Gene No.	65472	Strand	-
Start	13208	End	14324
Name	OJ990909_15.9C10.C19.o1.tw	Method	TBLASTX:Wheat
Start	13801	End	14284
GI	none	Score	110
Exons	13801..13899, 13868..14251, 13965..14252, 14237..14284		

Seq. No.	31628	Seq. ID	OJ990909_15.9C10.C21
Gene No.	65473	Strand	+
Start	761	End	7168
Name	OJ990909_15.9C10.C21.o1.gs	Method	GENSCAN
Start	761	End	7168
GI	none	Score	.45
Exons	761..961, 1212..1288, 1386..1988, 2044..2291, 2400..2482, 2538..2841, 2964..3315, 3366..3669, 3769..4134, 4201..4913, 4968..5080, 5103..6050, 6399..7168		

Seq. No.	31628	Seq. ID	OJ990909_15.9C10.C21
Gene No.	65473	Strand	+
Start	761	End	7168
Name	OJ990909_15.9C10.C21.o1.np	Method	AAT/NAP
Start	3271	End	7165
GI	4206306	Score	2972
Exons	3271..7165		
GI Descrip.	(AF049110) prpol [Zea mays]		

Seq. No.	31628	Seq. ID	OJ990909_15.9C10.C21
Gene No.	65474	Strand	+
Start	9972	End	12993
Name	OJ990909_15.9C10.C21.o2.np	Method	AAT/NAP
Start	9972	End	12993
GI	6473880	Score	104
Exons	9972..10093, 10942..11278, 12964..12993		
GI Descrip.	(AB027890) Hypothetical protein [Schizosaccharomyces pombe]		

Seq. No.	31628	Seq. ID	OJ990909_15.9C10.C21
Gene No.	65475	Strand	+
Start	18417	End	19134
Name	OJ990909_15.9C10.C21.o3.gs	Method	GENSCAN
Start	18417	End	19134
GI	none	Score	.9
Exons	18417..18480, 18485..18728, 19017..19134		

Seq. No.	31628	Seq. ID	OJ990909_15.9C10.C21
Gene No.	65476	Strand	+
Start	19322	End	19630
Name	OJ990909_15.9C10.C21.o2.gp	Method	AAT/GAP
Start	19322	End	19630
GI	72524_1.R1084	Score	416
Exons	19322..19630		
GI Descrip.	'5091496/dbj\|AB023482.2\|AB023482 3.0e-84 Oryza sativa genomic DNA, chromosome 6, clone P0680A03, complete sequence'		

Seq. No.	31628	Seq. ID	OJ990909_15.9C10.C21
Gene No.	65476	Strand	+
Start	19322	End	19630

Name	OJ990909_15.9C10.C21.o3.gp	Method	AAT/GAP
Start	19525	End	19630
GI	5816518	Score	150
Exons	19525..19630		
GI Descrip.	4521193/dbj\|AB013450.1\|AB013450 3.0e-40 Oryza sativa DNA, similar sequence to Pib gene		

Seq. No.	31628	Seq. ID	OJ990909_15.9C10.C21
Gene No.	65477	Strand	-
Start	8060	End	11995
Name	OJ990909_15.9C10.C21.o2.gs	Method	GENSCAN
Start	8060	End	11995
GI	none	Score	.55
Exons	8060..8208, 8638..9229, 9402..9941, 10025..10183, 10272..10336, 10423..10498, 10571..10802, 10859..11096, 11250..11325, 11591..11995		

Seq. No.	31628	Seq. ID	OJ990909_15.9C10.C21
Gene No.	65478	Strand	-
Start	19266	End	19516
Name	OJ990909_15.9C10.C21.o6.tw	Method	TBLASTX:Wheat
Start	3517	End	3876
GI	none	Score	76
Exons	3517..3648, 3654..3875, 3655..3876		

Seq. No.	31628	Seq. ID	OJ990909_15.9C10.C21
Gene No.	65478	Strand	-
Start	19266	End	19516
Name	OJ990909_15.9C10.C21.o3.tw	Method	TBLASTX:Wheat
Start	4081	End	4434
GI	none	Score	44
Exons	4081..4149, 4141..4209, 4142..4282, 4196..4423, 4201..4434, 4206..4433		

Seq. No.	31628	Seq. ID	OJ990909_15.9C10.C21
Gene No.	65478	Strand	-
Start	19266	End	19516
Name	OJ990909_15.9C10.C21.o1.tm	Method	TBLASTX:Maize
Start	4243	End	4566
GI	none	Score	401
Exons	4243..4566, 4251..4565, 4279..4566		

Seq. No.	31628	Seq. ID	OJ990909_15.9C10.C21
Gene No.	65478	Strand	-
Start	19266	End	19516
Name	OJ990909_15.9C10.C21.o1.tw	Method	TBLASTX:Wheat
Start	4435	End	4854
GI	none	Score	446
Exons	4435..4854, 4437..4604, 4450..4707, 4680..4853		

Seq. No.	31628	Seq. ID	OJ990909_15.9C10.C21
Gene No.	65478	Strand	-
Start	19266	End	19516
Name	OJ990909_15.9C10.C21.o3.tm	Method	TBLASTX:Maize
Start	4594	End	4939
GI	none	Score	313
Exons	4594..4908, 4615..4866, 4704..4871, 4877..4939		

Seq. No.	31628	Seq. ID	OJ990909_15.9C10.C21
Gene No.	65478	Strand	-
Start	19266	End	19516
Name	OJ990909_15.9C10.C21.o1.ts	Method	TBLASTX:Soybean
Start	4696	End	5041
GI	none	Score	169
Exons	4696..4890, 4746..4871, 4880..5041		

Seq. No.	31628	Seq. ID	OJ990909_15.9C10.C21
Gene No.	65478	Strand	-
Start	19266	End	19516
Name	OJ990909_15.9C10.C21.o7.tw	Method	TBLASTX:Wheat
Start	4877	End	5242
GI	none	Score	101
Exons	4877..5032, 5117..5242, 5122..5235		

Seq. No.	31628	Seq. ID	OJ990909_15.9C10.C21
Gene No.	65478	Strand	-
Start	19266	End	19516
Name	OJ990909_15.9C10.C21.o2.ts	Method	TBLASTX:Soybean
Start	5306	End	5665
GI	none	Score	197
Exons	5306..5665, 5317..5664		

Seq. No.	31628	Seq. ID	OJ990909_15.9C10.C21
Gene No.	65478	Strand	-
Start	19266	End	19516
Name	OJ990909_15.9C10.C21.o2.tw	Method	TBLASTX:Wheat
Start	5308	End	5733
GI	none	Score	308
Exons	5308..5544, 5309..5731, 5566..5733		

Seq. No.	31628	Seq. ID	OJ990909_15.9C10.C21
Gene No.	65478	Strand	-
Start	19266	End	19516
Name	OJ990909_15.9C10.C21.o4.tm	Method	TBLASTX:Maize
Start	5942	End	6208
GI	none	Score	238
Exons	5942..6208, 6067..6207		

Seq. No.	31628	Seq. ID	OJ990909_15.9C10.C21
Gene No.	65478	Strand	-
Start	19266	End	19516
Name	OJ990909_15.9C10.C21.o4.tw	Method	TBLASTX:Wheat
Start	6050	End	6439
GI	none	Score	244
Exons	6050..6439		

Seq. No.	31628	Seq. ID	OJ990909_15.9C10.C21
Gene No.	65478	Strand	-
Start	19266	End	19516
Name	OJ990909_15.9C10.C21.o2.tm	Method	TBLASTX:Maize
Start	6209	End	6571
GI	none	Score	361
Exons	6209..6571, 6301..6570		

Seq. No.	31628	Seq. ID	OJ990909_15.9C10.C21
Gene No.	65478	Strand	-
Start	19266	End	19516
Name	OJ990909_15.9C10.C21.o3.ts	Method	TBLASTX:Soybean
Start	6326	End	6670
GI	none	Score	46
Exons	6326..6361, 6380..6670		

Seq. No.	31628	Seq. ID	OJ990909_15.9C10.C21
Gene No.	65478	Strand	-
Start	19266	End	19516
Name	OJ990909_15.9C10.C21.o5.tw	Method	TBLASTX:Wheat
Start	6557	End	7156
GI	none	Score	101
Exons	6557..6676, 6707..6838, 6895..7032, 7031..7156		

Seq. No.	31628	Seq. ID	OJ990909_15.9C10.C21
Gene No.	65478	Strand	-
Start	19266	End	19516
Name	OJ990909_15.9C10.C21.o1.gp	Method	AAT/GAP
Start	19266	End	19516
GI	3761181	Score	406
Exons	19266..19516		
GI Descrip.	4521193/dbj\|AB013450.1\|AB013450 1.0e-99 Oryza sativa DNA, similar sequence to Pib gene		

Seq. No.	31629	Seq. ID	OJ990909_13.9C13.C2
Gene No.	65479	Strand	+
Start	8418	End	9332
Name	OJ990909_13.9C13.C2.o3.gs	Method	GENSCAN
Start	8418	End	9332
GI	none	Score	.89
Exons	8418..8487, 8533..8624, 9033..9332		

Seq. No.	31629	Seq. ID	OJ990909_13.9C13.C2
Gene No.	65480	Strand	-
Start	7307	End	7864
Name	OJ990909_13.9C13.C2.o2.gs	Method	GENSCAN
Start	7307	End	7864
GI	none	Score	.93
Exons	7307..7636, 7712..7864		

Seq. No.	31629	Seq. ID	OJ990909_13.9C13.C2
Gene No.	65481	Strand	-
Start	10133	End	11688
Name	OJ990909_13.9C13.C2.o1.tm	Method	TBLASTX:Maize
Start	7292	End	7648
GI	none	Score	219
Exons	7292..7645, 7316..7648		

Seq. No.	31629	Seq. ID	OJ990909_13.9C13.C2
Gene No.	65481	Strand	-
Start	10133	End	11688
Name	OJ990909_13.9C13.C2.o1.ts	Method	TBLASTX:Soybean
Start	7296	End	7750
GI	none	Score	44
Exons	7296..7346, 7310..7645, 7428..7592, 7676..7750		

Seq. No.	31629	Seq. ID	OJ990909_13.9C13.C2
Gene No.	65481	Strand	-
Start	10133	End	11688
Name	OJ990909_13.9C13.C2.o1.tc	Method	TBLASTX:Cress
Start	7394	End	7765
GI	none	Score	66
Exons	7394..7645, 7422..7592, 7670..7765		

Seq. No.	31629	Seq. ID	OJ990909_13.9C13.C2
Gene No.	65481	Strand	-
Start	10133	End	11688
Name	OJ990909_13.9C13.C2.o4.gs	Method	GENSCAN
Start	10133	End	11549
GI	none	Score	.57
Exons	10133..10245, 11462..11549		

Seq. No.	31629	Seq. ID	OJ990909_13.9C13.C2
Gene No.	65481	Strand	-
Start	10133	End	11688
Name	OJ990909_13.9C13.C2.o2.tm	Method	TBLASTX:Maize
Start	11397	End	11688
GI	none	Score	69
Exons	11397..11495, 11490..11687, 11502..11633, 11575..11688		

Seq. No.	31630	Seq. ID	OJ990909_13.9C13.C4
Gene No.	65482	Strand	+
Start	4467	End	5394
Name	OJ990909_13.9C13.C4.o2.gs	Method	GENSCAN
Start	4467	End	5394
GI	none	Score	.58
Exons	4467..5019, 5305..5347, 5391..5394		

Seq. No.	31630	Seq. ID	OJ990909_13.9C13.C4
Gene No.	65483	Strand	-
Start	467	End	9041
Name	OJ990909_13.9C13.C4.o1.gs	Method	GENSCAN
Start	467	End	3940
GI	none	Score	.77
Exons	467..505, 946..1117, 1284..1454, 1537..2060, 2062..2367, 2449..2751, 2989..3722, 3811..3940		

Seq. No.	31630	Seq. ID	OJ990909_13.9C13.C4
Gene No.	65483	Strand	-
Start	467	End	9041
Name	OJ990909_13.9C13.C4.o1.gp	Method	AAT/GAP
Start	607	End	1128
GI	LIB3431-001-P1-N1-B5	Score	754
Exons	607..839, 946..1128		
GI Descrip.	'4680203/gb\|AAD27566.1\|AF114171_7 1.0e-39 (AF114171) TNP2-like protein [Sorghum bicolor]'		

Seq. No.	31630	Seq. ID	OJ990909_13.9C13.C4
Gene No.	65483	Strand	-
Start	467	End	9041
Name	OJ990909_13.9C13.C4.o1.np	Method	AAT/NAP
Start	3767	End	8436

GI	1076802	Score	340
Exons	3767..3928, 4466..5217, 8388..8436		
GI Descrip.	extensin-like protein - maize gi\|600118\|emb\|CAA84230\| (Z34465) extensin-like protein [Zea mays] gi\|1096557\|prf\|\|2111476A extensin-like domain [Zea mays]		

Seq. No.	31630	Seq. ID	OJ990909_13.9C13.C4
Gene No.	65483	Strand	-
Start	467	End	9041
Name	OJ990909_13.9C13.C4.o2.gp	Method	AAT/GAP
Start	5618	End	7078
GI	5002953	Score	1276
Exons	5618..5799, 6279..6688, 6947..7078		
GI Descrip.	4680203/gb\|AAD27566.1\|AF114171_7 1.0e-39 (AF114171) TNP2-like protein [Sorghum bicolor]		

Seq. No.	31630	Seq. ID	OJ990909_13.9C13.C4
Gene No.	65483	Strand	-
Start	467	End	9041
Name	OJ990909_13.9C13.C4.o2.np	Method	AAT/NAP
Start	5732	End	9041
GI	4680203	Score	1947
Exons	5732..6673, 6950..7180, 7333..7425, 7468..9041		
GI Descrip.	(AF114171) TNP2-like protein [Sorghum bicolor]		

Seq. No.	31630	Seq. ID	OJ990909_13.9C13.C4
Gene No.	65483	Strand	-
Start	467	End	9041
Name	OJ990909_13.9C13.C4.o3.gs	Method	GENSCAN
Start	5756	End	7021
GI	none	Score	.65
Exons	5756..6265, 6392..7021		

Seq. No.	31630	Seq. ID	OJ990909_13.9C13.C4
Gene No.	65483	Strand	-
Start	467	End	9041
Name	OJ990909_13.9C13.C4.o1.tw	Method	TBLASTX:Wheat
Start	5843	End	7063
GI	none	Score	67
Exons	5843..5935, 5936..6040, 5964..6041, 6065..6106, 6065..6103, 6110..6157, 6146..6337, 6162..6302, 6341..6502, 6345..6485, 6521..7063, 6573..7019		

Seq. No.	31630	Seq. ID	OJ990909_13.9C13.C4
Gene No.	65483	Strand	-
Start	467	End	9041
Name	OJ990909_13.9C13.C4.o1.tc	Method	TBLASTX:Cress
Start	6350	End	6776
GI	none	Score	68
Exons	6350..6502, 6363..6485, 6521..6772, 6573..6776		

Seq. No.	31630	Seq. ID	OJ990909_13.9C13.C4
Gene No.	65483	Strand	-
Start	467	End	9041
Name	OJ990909_13.9C13.C4.o1.tm	Method	TBLASTX:Maize
Start	6674	End	7159
GI	none	Score	89

Exons	6674..7159, 6681..6830, 6966..7142		
Seq. No.	31630	Seq. ID	OJ990909_13.9C13.C4
Gene No.	65483	Strand	-
Start	467	End	9041
Name	OJ990909_13.9C13.C4.o4.tw	Method	TBLASTX:Wheat
Start	7067	End	7416
GI	none	Score	66
Exons	7067..7150, 7068..7151, 7267..7416, 7280..7387		
Seq. No.	31630	Seq. ID	OJ990909_13.9C13.C4
Gene No.	65483	Strand	-
Start	467	End	9041
Name	OJ990909_13.9C13.C4.o3.tm	Method	TBLASTX:Maize
Start	7196	End	7410
GI	none	Score	93
Exons	7196..7252, 7264..7410, 7274..7381		
Seq. No.	31630	Seq. ID	OJ990909_13.9C13.C4
Gene No.	65483	Strand	-
Start	467	End	9041
Name	OJ990909_13.9C13.C4.o2.ts	Method	TBLASTX:Soybean
Start	7555	End	7789
GI	none	Score	98
Exons	7555..7788, 7634..7789		
Seq. No.	31630	Seq. ID	OJ990909_13.9C13.C4
Gene No.	65483	Strand	-
Start	467	End	9041
Name	OJ990909_13.9C13.C4.o2.tm	Method	TBLASTX:Maize
Start	7624	End	8064
GI	none	Score	80
Exons	7624..7818, 7822..7938, 7892..7969, 7909..8064		
Seq. No.	31630	Seq. ID	OJ990909_13.9C13.C4
Gene No.	65483	Strand	-
Start	467	End	9041
Name	OJ990909_13.9C13.C4.o3.tw	Method	TBLASTX:Wheat
Start	7658	End	7964
GI	none	Score	100
Exons	7658..7819, 7663..7818, 7849..7890, 7889..7963, 7890..7964		
Seq. No.	31630	Seq. ID	OJ990909_13.9C13.C4
Gene No.	65483	Strand	-
Start	467	End	9041
Name	OJ990909_13.9C13.C4.o2.tc	Method	TBLASTX:Cress
Start	7909	End	8241
GI	none	Score	70
Exons	7909..8067, 7958..8065, 8067..8240, 8104..8241		
Seq. No.	31630	Seq. ID	OJ990909_13.9C13.C4
Gene No.	65483	Strand	-
Start	467	End	9041
Name	OJ990909_13.9C13.C4.o2.tw	Method	TBLASTX:Wheat
Start	8005	End	8687
GI	none	Score	64
Exons	8005..8067, 8082..8132, 8136..8240, 8146..8241, 8287..8448,		

8289..8687

Seq. No.	31630	Seq. ID	OJ990909_13.9C13.C4
Gene No.	65483	Strand	-
Start	467	End	9041
Name	OJ990909_13.9C13.C4.o1.ts	Method	TBLASTX:Soybean
Start	8271	End	8589
GI	none	Score	86
Exons	8271..8531, 8284..8508, 8289..8564, 8296..8562, 8566..8589		

Seq. No.	31631	Seq. ID	OJ990909_13.9C13.C5
Gene No.	65484	Strand	+
Start	3	End	2506
Name	OJ990909_13.9C13.C5.o1.gs	Method	GENSCAN
Start	3	End	2506
GI	none	Score	.45
Exons	3..152, 2189..2506		

Seq. No.	31631	Seq. ID	OJ990909_13.9C13.C5
Gene No.	65485	Strand	-
Start	2273	End	2515
Name	OJ990909_13.9C13.C5.o1.np	Method	AAT/NAP
Start	2273	End	2515
GI	6539570	Score	146
Exons	2273..2515		
GI Descrip.	(AP000836) hypothetical protein [Oryza sativa]		

Seq. No.	31632	Seq. ID	OJ990909_13.9C13.C6
Gene No.	65486	Strand	+
Start	290	End	2079
Name	OJ990909_13.9C13.C6.o1.np	Method	AAT/NAP
Start	290	End	2079
GI	5922620	Score	429
Exons	290..324, 1315..1350, 1511..1826, 1863..2079		
GI Descrip.	(AP000492) EST D15357(C0514) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa] gi\|6016853\|dbj\|BAA85196.1\| (AP000570) EST D15357(C0514) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	31632	Seq. ID	OJ990909_13.9C13.C6
Gene No.	65486	Strand	+
Start	290	End	2079
Name	OJ990909_13.9C13.C6.o1.gs	Method	GENSCAN
Start	420	End	1887
GI	none	Score	.7
Exons	420..444, 755..918, 1192..1350, 1780..1887		

Seq. No.	31632	Seq. ID	OJ990909_13.9C13.C6
Gene No.	65487	Strand	-
Start	2986	End	3325
Name	OJ990909_13.9C13.C6.o2.gs	Method	GENSCAN
Start	2986	End	3325
GI	none	Score	.75
Exons	2986..3110, 3189..3325		

Seq. No.	31633	Seq. ID	OJ990909_13.9C13.C7

Gene No.	65488	Strand	-
Start	1	End	628
Name	OJ990909_13.9C13.C7.o1.np	Method	AAT/NAP
Start	1	End	628
GI	100488	Score	324
Exons	1..502, 585..628		
GI Descrip.	TNP2 protein - garden snapdragon		

Seq. No.	31633	Seq. ID	OJ990909_13.9C13.C7
Gene No.	65489	Strand	-
Start	845	End	1418
Name	OJ990909_13.9C13.C7.o1.gp	Method	AAT/GAP
Start	845	End	1418
GI	LIB3434-017-P1-K1-F5	Score	243
Exons	845..926, 1338..1418		
GI Descrip.	'5257255/dbj\|AP000364.1\|AP000364 5.0e-20 Oryza sativa genomic DNA, chromosome 8, clone:P0026F07'		

Seq. No.	31634	Seq. ID	OJ990909_13.9C13.C8
Gene No.	65490	Strand	+
Start	253	End	570
Name	OJ990909_13.9C13.C8.o1.gs	Method	GENSCAN
Start	253	End	570
GI	none	Score	.95
Exons	253..570		

Seq. No.	31634	Seq. ID	OJ990909_13.9C13.C8
Gene No.	65491	Strand	-
Start	337	End	570
Name	OJ990909_13.9C13.C8.o1.np	Method	AAT/NAP
Start	337	End	570
GI	6539570	Score	134
Exons	337..570		
GI Descrip.	(AP000836) hypothetical protein [Oryza sativa]		

Seq. No.	31634	Seq. ID	OJ990909_13.9C13.C8
Gene No.	65492	Strand	-
Start	3906	End	5582
Name	OJ990909_13.9C13.C8.o3.gs	Method	GENSCAN
Start	3906	End	5582
GI	none	Score	.4
Exons	3906..3943, 4706..4957, 5504..5582		

Seq. No.	31635	Seq. ID	OJ990909_13.9C13.C10
Gene No.	65493	Strand	-
Start	929	End	2398
Name	OJ990909_13.9C13.C10.o1.gs	Method	GENSCAN
Start	929	End	2398
GI	none	Score	.9
Exons	929..1122, 2174..2398		

Seq. No.	31636	Seq. ID	OJ990909_13.9C13.C11
Gene No.	65494	Strand	+
Start	139	End	3224
Name	OJ990909_13.9C13.C11.o1.gs	Method	GENSCAN
Start	139	End	3224
GI	none	Score	.67

Exons	139..238, 2634..2799, 2840..3140, 3201..3224		
Seq. No.	31637	Seq. ID	OJ990909_13.9C13.C12
Gene No.	65495	Strand	+
Start	998	End	1219
Name	OJ990909_13.9C13.C12.o1.np	Method	AAT/NAP
Start	998	End	1219
GI	5295951	Score	219
Exons	998..1219		
GI Descrip.	(AB026295) Similar to Herpesvirus papio BRRF2 homolog gene, partial cds.(U23857) [Oryza sativa]		
Seq. No.	31637	Seq. ID	OJ990909_13.9C13.C12
Gene No.	65496	Strand	+
Start	6178	End	6744
Name	OJ990909_13.9C13.C12.o1.gp	Method	AAT/GAP
Start	6178	End	6744
GI	none	Score	904
Exons	6178..6339, 6427..6744		
Seq. No.	31637	Seq. ID	OJ990909_13.9C13.C12
Gene No.	65497	Strand	-
Start	2554	End	6702
Name	OJ990909_13.9C13.C12.o2.gs	Method	GENSCAN
Start	2554	End	6692
GI	none	Score	.53
Exons	2554..2663, 3368..3419, 3660..3721, 5630..5721, 6254..6369, 6484..6692		
Seq. No.	31637	Seq. ID	OJ990909_13.9C13.C12
Gene No.	65497	Strand	-
Start	2554	End	6702
Name	OJ990909_13.9C13.C12.o1.tm	Method	TBLASTX:Maize
Start	6516	End	6696
GI	none	Score	273
Exons	6516..6662, 6517..6696		
Seq. No.	31637	Seq. ID	OJ990909_13.9C13.C12
Gene No.	65497	Strand	-
Start	2554	End	6702
Name	OJ990909_13.9C13.C12.o1.tc	Method	TBLASTX:Cress
Start	6520	End	6702
GI	none	Score	296
Exons	6520..6702, 6522..6689		
Seq. No.	31637	Seq. ID	OJ990909_13.9C13.C12
Gene No.	65497	Strand	-
Start	2554	End	6702
Name	OJ990909_13.9C13.C12.o1.ts	Method	TBLASTX:Soybean
Start	6520	End	6696
GI	none	Score	291
Exons	6520..6696, 6522..6695		
Seq. No.	31638	Seq. ID	OJ990909_13.9C13.C14
Gene No.	65498	Strand	-
Start	189	End	292
Name	OJ990909_13.9C13.C14.o1.gs	Method	GENSCAN

Start	189	End	292
GI	none	Score	.51
Exons	189..292		

Seq. No.	31639	Seq. ID	OJ990909_13.9C13.C18
Gene No.	65499	Strand	+
Start	8730	End	12052
Name	OJ990909_13.9C13.C18.o2.np	Method	AAT/NAP
Start	8730	End	12052
GI	4680203	Score	3053
Exons	8730..10401, 10555..10785, 11062..12052		
GI Descrip.	(AF114171) TNP2-like protein [Sorghum bicolor]		

Seq. No.	31639	Seq. ID	OJ990909_13.9C13.C18
Gene No.	65500	Strand	+
Start	14799	End	22514
Name	OJ990909_13.9C13.C18.o3.np	Method	AAT/NAP
Start	14799	End	17782
GI	5852179	Score	426
Exons	14799..14819, 15810..16017, 16091..16315, 17734..17782		
GI Descrip.	(AL117265) zhb0009.1 [Oryza sativa]		

Seq. No.	31639	Seq. ID	OJ990909_13.9C13.C18
Gene No.	65500	Strand	+
Start	14799	End	22514
Name	OJ990909_13.9C13.C18.o5.gs	Method	GENSCAN
Start	15977	End	22514
GI	none	Score	.65
Exons	15977..16113, 16142..16334, 17970..18431, 18596..18782, 18815..19119, 19174..19239, 19587..19760, 19885..19961, 20045..20117, 20215..20313, 20397..20575, 21164..21457, 21513..21583, 22420..22514		

Seq. No.	31639	Seq. ID	OJ990909_13.9C13.C18
Gene No.	65500	Strand	+
Start	14799	End	22514
Name	OJ990909_13.9C13.C18.o4.np	Method	AAT/NAP
Start	17955	End	22185
GI	4680204	Score	624
Exons	17955..19094, 22100..22185		
GI Descrip.	(AF114171) hypothetical protein [Sorghum bicolor]		

Seq. No.	31639	Seq. ID	OJ990909_13.9C13.C18
Gene No.	65500	Strand	+
Start	14799	End	22514
Name	OJ990909_13.9C13.C18.o5.np	Method	AAT/NAP
Start	17955	End	19090
GI	4680204	Score	622
Exons	17955..19090		
GI Descrip.	(AF114171) hypothetical protein [Sorghum bicolor]		

Seq. No.	31639	Seq. ID	OJ990909_13.9C13.C18
Gene No.	65501	Strand	+
Start	29028	End	31130
Name	OJ990909_13.9C13.C18.o6.np	Method	AAT/NAP
Start	29028	End	31130
GI	5922634	Score	75

Exons	29028..29127, 31061..31130		
GI Descrip.	(AP000492) hypothetical protein [Oryza sativa] gi\|6016867\|dbj\|BAA85210.1\| (AP000570) hypothetical protein [Oryza sativa]		
Seq. No.	31639	Seq. ID	OJ990909_13.9C13.C18
Gene No.	65501	Strand	+
Start	29028	End	31130
Name	OJ990909_13.9C13.C18.o8.gs	Method	GENSCAN
Start	30662	End	31081
GI	none	Score	.87
Exons	30662..31081		
Seq. No.	31639	Seq. ID	OJ990909_13.9C13.C18
Gene No.	65502	Strand	-
Start	1	End	3298
Name	OJ990909_13.9C13.C18.o1.np	Method	AAT/NAP
Start	1	End	3263
GI	6642643	Score	527
Exons	1..21, 986..1139, 2309..2399, 2685..3065, 3141..3263		
GI Descrip.	(AC012395) unknown protein [Arabidopsis thaliana]		
Seq. No.	31639	Seq. ID	OJ990909_13.9C13.C18
Gene No.	65502	Strand	-
Start	1	End	3298
Name	OJ990909_13.9C13.C18.o1.gs	Method	GENSCAN
Start	2567	End	3298
GI	none	Score	.7
Exons	2567..3298		
Seq. No.	31639	Seq. ID	OJ990909_13.9C13.C18
Gene No.	65503	Strand	-
Start	11679	End	12136
Name	OJ990909_13.9C13.C18.o1.gp	Method	AAT/GAP
Start	11679	End	12136
GI	LIB3431-028-P1-N1-A10	Score	679
Exons	11679..12038, 12066..12136		
GI Descrip.	'4680203/gb\|AAD27566.1\|AF114171_7 3.0e-33 (AF114171) TNP2-like protein [Sorghum bicolor]'		
Seq. No.	31639	Seq. ID	OJ990909_13.9C13.C18
Gene No.	65504	Strand	-
Start	12911	End	13705
Name	OJ990909_13.9C13.C18.o4.gs	Method	GENSCAN
Start	12911	End	13705
GI	none	Score	.8
Exons	12911..13705		
Seq. No.	31639	Seq. ID	OJ990909_13.9C13.C18
Gene No.	65505	Strand	-
Start	13810	End	14449
Name	OJ990909_13.9C13.C18.o2.gp	Method	AAT/GAP
Start	13810	End	14449
GI	61605_3.R1084	Score	460
Exons	13810..13847, 13907..14168, 14433..14449		
GI Descrip.	'1402920/emb\|CAA66965\| 2.0e-20 (X98321) peroxidase [Arabidopsis thaliana]'		

Seq. No.	31639	Seq. ID	OJ990909_13.9C13.C18
Gene No.	65506	Strand	-
Start	20674	End	20779
Name	OJ990909_13.9C13.C18.o3.gp	Method	AAT/GAP
Start	20674	End	20779
GI	LIB3477-003-P1-K1-E9	Score	104
Exons	20674..20779		
GI Descrip.	'2498586/sp\|Q40638\|MPO1_ORYSA 2.0e-24 MAJOR POLLEN ALLERGEN ORY S 1 PRECURSOR (ORY S I) >gi_1173557 (U31771) Ory s 1 [Oryza sativa]'		

Seq. No.	31639	Seq. ID	OJ990909_13.9C13.C18
Gene No.	65507	Strand	-
Start	23170	End	23263
Name	OJ990909_13.9C13.C18.o4.gp	Method	AAT/GAP
Start	23170	End	23263
GI	LIB3477-003-P1-K1-E9	Score	136
Exons	23170..23263		
GI Descrip.	'2498586/sp\|Q40638\|MPO1_ORYSA 2.0e-24 MAJOR POLLEN ALLERGEN ORY S 1 PRECURSOR (ORY S I) >gi_1173557 (U31771) Ory s 1 [Oryza sativa]'		

Seq. No.	31639	Seq. ID	OJ990909_13.9C13.C18
Gene No.	65508	Strand	-
Start	29301	End	30207
Name	OJ990909_13.9C13.C18.o1.tm	Method	TBLASTX:Maize
Start	992	End	3028
GI	none	Score	126
Exons	992..1138, 996..1142, 2819..3028, 2823..3026		

Seq. No.	31639	Seq. ID	OJ990909_13.9C13.C18
Gene No.	65508	Strand	-
Start	29301	End	30207
Name	OJ990909_13.9C13.C18.o1.tc	Method	TBLASTX:Cress
Start	2826	End	3236
GI	none	Score	127
Exons	2826..2957, 2828..3028, 3143..3235, 3153..3236		

Seq. No.	31639	Seq. ID	OJ990909_13.9C13.C18
Gene No.	65508	Strand	-
Start	29301	End	30207
Name	OJ990909_13.9C13.C18.o1.ts	Method	TBLASTX:Soybean
Start	2828	End	3236
GI	none	Score	178
Exons	2828..3028, 2835..3026, 3143..3235, 3152..3229, 3156..3236		

Seq. No.	31639	Seq. ID	OJ990909_13.9C13.C18
Gene No.	65508	Strand	-
Start	29301	End	30207
Name	OJ990909_13.9C13.C18.o4.tw	Method	TBLASTX:Wheat
Start	9036	End	9436
GI	none	Score	96
Exons	9036..9173, 9055..9174, 9171..9422, 9172..9429, 9179..9436, 9188..9424, 9190..9426		

Seq. No.	31639	Seq. ID	OJ990909_13.9C13.C18

Gene No.	65508	Strand	-
Start	29301	End	30207
Name	OJ990909_13.9C13.C18.o2.ts	Method	TBLASTX:Soybean
Start	9353	End	9781
GI	none	Score	103
Exons	9353..9418, 9354..9428, 9485..9781, 9539..9763		

Seq. No.	31639	Seq. ID	OJ990909_13.9C13.C18
Gene No.	65508	Strand	-
Start	29301	End	30207
Name	OJ990909_13.9C13.C18.o3.tc	Method	TBLASTX:Cress
Start	9514	End	9862
GI	none	Score	293
Exons	9514..9666, 9521..9862, 9715..9843		

Seq. No.	31639	Seq. ID	OJ990909_13.9C13.C18
Gene No.	65508	Strand	-
Start	29301	End	30207
Name	OJ990909_13.9C13.C18.o2.tm	Method	TBLASTX:Maize
Start	9521	End	9909
GI	none	Score	67
Exons	9521..9610, 9626..9907, 9649..9909		

Seq. No.	31639	Seq. ID	OJ990909_13.9C13.C18
Gene No.	65508	Strand	-
Start	29301	End	30207
Name	OJ990909_13.9C13.C18.o2.tw	Method	TBLASTX:Wheat
Start	9650	End	10104
GI	none	Score	68
Exons	9650..9706, 9658..9702, 9703..9804, 9704..9808, 9812..9910, 9817..9909, 9829..9912, 9890..9991, 9913..9990, 9989..10054, 9990..10055, 9991..10104, 9994..10101		

Seq. No.	31639	Seq. ID	OJ990909_13.9C13.C18
Gene No.	65508	Strand	-
Start	29301	End	30207
Name	OJ990909_13.9C13.C18.o3.tw	Method	TBLASTX:Wheat
Start	10258	End	10667
GI	none	Score	67
Exons	10258..10302, 10259..10303, 10306..10548, 10326..10508, 10581..10667, 10582..10665		

Seq. No.	31639	Seq. ID	OJ990909_13.9C13.C18
Gene No.	65508	Strand	-
Start	29301	End	30207
Name	OJ990909_13.9C13.C18.o3.tm	Method	TBLASTX:Maize
Start	10582	End	11060
GI	none	Score	277
Exons	10582..11058, 10720..10797, 10851..11060		

Seq. No.	31639	Seq. ID	OJ990909_13.9C13.C18
Gene No.	65508	Strand	-
Start	29301	End	30207
Name	OJ990909_13.9C13.C18.o1.tw	Method	TBLASTX:Wheat
Start	10668	End	11904
GI	none	Score	346
Exons	10668..11393, 10668..11555, 10669..11556, 11254..11571,		

11561..11620, 11581..11625, 11602..11625, 11628..11678,
11632..11691, 11670..11810, 11671..11811, 11824..11904

Seq. No.	31639	Seq. ID	OJ990909_13.9C13.C18
Gene No.	65508	Strand	-
Start	29301	End	30207
Name	OJ990909_13.9C13.C18.o2.tc	Method	TBLASTX:Cress
Start	10952	End	11403
GI	none	Score	175
Exons	10952..11134, 10956..11378, 10956..11399, 10960..11403, 11254..11403		

Seq. No.	31639	Seq. ID	OJ990909_13.9C13.C18
Gene No.	65508	Strand	-
Start	29301	End	30207
Name	OJ990909_13.9C13.C18.o5.tw	Method	TBLASTX:Wheat
Start	18567	End	18969
GI	none	Score	62
Exons	18567..18707, 18567..18722, 18569..18721, 18736..18804, 18780..18812, 18799..18969, 18894..18968		

Seq. No.	31639	Seq. ID	OJ990909_13.9C13.C18
Gene No.	65508	Strand	-
Start	29301	End	30207
Name	OJ990909_13.9C13.C18.o7.gs	Method	GENSCAN
Start	29301	End	30207
GI	none	Score	.81
Exons	29301..29465, 29551..29628, 30205..30207		

Seq. No.	31640	Seq. ID	OJ990909_13.9C13.C19
Gene No.	65509	Strand	+
Start	12	End	701
Name	OJ990909_13.9C13.C19.o1.gs	Method	GENSCAN
Start	12	End	701
GI	none	Score	.96
Exons	12..104, 525..701		

Seq. No.	31641	Seq. ID	OJ990909_13.9C13.C20
Gene No.	65510	Strand	+
Start	1413	End	3112
Name	OJ990909_13.9C13.C20.o1.gs	Method	GENSCAN
Start	1413	End	3112
GI	none	Score	.52
Exons	1413..1521, 1874..1950, 2847..2897, 2999..3112		

Seq. No.	31641	Seq. ID	OJ990909_13.9C13.C20
Gene No.	65511	Strand	-
Start	3907	End	5825
Name	OJ990909_13.9C13.C20.o1.ts	Method	TBLASTX:Soybean
Start	3907	End	5583
GI	none	Score	64
Exons	3907..3981, 3908..3982, 3953..4486, 4018..4563, 4594..4740, 4735..4839, 4915..5142, 5149..5583, 5186..5323, 5363..5578		

Seq. No.	31641	Seq. ID	OJ990909_13.9C13.C20
Gene No.	65511	Strand	-
Start	3907	End	5825

Name	OJ990909_13.9C13.C20.o2.gs	Method	GENSCAN
Start	3907	End	5574
GI	none	Score	.84
Exons	3907..5574		

Seq. No.	31641	Seq. ID	OJ990909_13.9C13.C20
Gene No.	65511	Strand	-
Start	3907	End	5825
Name	OJ990909_13.9C13.C20.o1.np	Method	AAT/NAP
Start	3910	End	5825
GI	5051781	Score	1547
Exons	3910..5653, 5782..5825		
GI Descrip.	(AL078637) transport inhibitor response-like protein [Arabidopsis thaliana]		

Seq. No.	31641	Seq. ID	OJ990909_13.9C13.C20
Gene No.	65511	Strand	-
Start	3907	End	5825
Name	OJ990909_13.9C13.C20.o1.tm	Method	TBLASTX:Maize
Start	3910	End	5289
GI	none	Score	65
Exons	3910..3981, 3911..3982, 3994..4563, 3998..4402, 4594..4734, 4741..4875, 4921..5115, 5149..5289		

Seq. No.	31641	Seq. ID	OJ990909_13.9C13.C20
Gene No.	65511	Strand	-
Start	3907	End	5825
Name	OJ990909_13.9C13.C20.o1.tc	Method	TBLASTX:Cress
Start	3919	End	5626
GI	none	Score	213
Exons	3919..3981, 4021..4575, 4022..4486, 4027..4548, 4594..4902, 4906..5151, 5149..5622, 5183..5317, 5363..5626		

Seq. No.	31641	Seq. ID	OJ990909_13.9C13.C20
Gene No.	65511	Strand	-
Start	3907	End	5825
Name	OJ990909_13.9C13.C20.o2.tm	Method	TBLASTX:Maize
Start	5389	End	5694
GI	none	Score	189
Exons	5389..5622, 5390..5668, 5620..5694		

Seq. No.	31642	Seq. ID	OJ990909_13.9C13.C24
Gene No.	65512	Strand	-
Start	174	End	383
Name	OJ990909_13.9C13.C24.o1.gs	Method	GENSCAN
Start	174	End	383
GI	none	Score	.62
Exons	174..204, 286..383		

Seq. No.	31643	Seq. ID	OJ990909_13.9C13.C26
Gene No.	65513	Strand	-
Start	1	End	2936
Name	OJ990909_13.9C13.C26.o1.np	Method	AAT/NAP
Start	1	End	2708
GI	2792216	Score	195
Exons	1..95, 2497..2708		
GI Descrip.	(AF032686) NBS-LRR type resistance protein [Hordeum vulgare]		

Seq. No.	31643	Seq. ID	OJ990909_13.9C13.C26
Gene No.	65513	Strand	-
Start	1	End	2936
Name	OJ990909_13.9C13.C26.o1.gs	Method	GENSCAN
Start	2475	End	2936
GI	none	Score	.43
Exons	2475..2936		

Seq. No.	31644	Seq. ID	OJ990819_11.9C17.C1
Gene No.	65514	Strand	-
Start	1	End	1721
Name	OJ990819_11.9C17.C1.o1.np	Method	AAT/NAP
Start	1	End	1721
GI	4680179	Score	1446
Exons	1..629, 657..1721		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	31644	Seq. ID	OJ990819_11.9C17.C1
Gene No.	65515	Strand	-
Start	1950	End	2502
Name	OJ990819_11.9C17.C1.o2.tm	Method	TBLASTX:Maize
Start	18	End	215
GI	none	Score	147
Exons	18..215, 19..177		

Seq. No.	31644	Seq. ID	OJ990819_11.9C17.C1
Gene No.	65515	Strand	-
Start	1950	End	2502
Name	OJ990819_11.9C17.C1.o2.tw	Method	TBLASTX:Wheat
Start	39	End	395
GI	none	Score	114
Exons	39..206, 40..168, 231..395, 268..336		

Seq. No.	31644	Seq. ID	OJ990819_11.9C17.C1
Gene No.	65515	Strand	-
Start	1950	End	2502
Name	OJ990819_11.9C17.C1.o4.tw	Method	TBLASTX:Wheat
Start	423	End	737
GI	none	Score	72
Exons	423..620, 433..570, 693..737		

Seq. No.	31644	Seq. ID	OJ990819_11.9C17.C1
Gene No.	65515	Strand	-
Start	1950	End	2502
Name	OJ990819_11.9C17.C1.o3.tw	Method	TBLASTX:Wheat
Start	794	End	1506
GI	none	Score	49
Exons	794..838, 1308..1490, 1309..1506		

Seq. No.	31644	Seq. ID	OJ990819_11.9C17.C1
Gene No.	65515	Strand	-
Start	1950	End	2502
Name	OJ990819_11.9C17.C1.o1.tw	Method	TBLASTX:Wheat
Start	906	End	1259
GI	none	Score	68
Exons	906..1256, 1062..1259		

Seq. No.	31644	Seq. ID	OJ990819_11.9C17.C1
Gene No.	65515	Strand	-
Start	1950	End	2502
Name	OJ990819_11.9C17.C1.o1.tm	Method	TBLASTX:Maize
Start	918	End	1256
GI	none	Score	102
Exons	918..1256, 1020..1256		

Seq. No.	31644	Seq. ID	OJ990819_11.9C17.C1
Gene No.	65515	Strand	-
Start	1950	End	2502
Name	OJ990819_11.9C17.C1.o2.np	Method	AAT/NAP
Start	1948	End	2502
GI	4512231	Score	831
Exons	1948..2502		
GI Descrip.	(AB014741) ORF0 protein [Oryza sativa]		

Seq. No.	31644	Seq. ID	OJ990819_11.9C17.C1
Gene No.	65515	Strand	-
Start	1950	End	2502
Name	OJ990819_11.9C17.C1.o2.gs	Method	GENSCAN
Start	1950	End	2424
GI	none	Score	.52
Exons	1950..2424		

Seq. No.	31645	Seq. ID	OJ990819_11.9C17.C2
Gene No.	65516	Strand	+
Start	755	End	845
Name	OJ990819_11.9C17.C2.o1.gs	Method	GENSCAN
Start	755	End	845
GI	none	Score	.72
Exons	755..845		

Seq. No.	31646	Seq. ID	OJ990819_11.9C17.C3
Gene No.	65517	Strand	+
Start	634	End	719
Name	OJ990819_11.9C17.C3.o1.gp	Method	AAT/GAP
Start	634	End	719
GI	uC-osf1cyp158c04a1	Score	88
Exons	634..719		
GI Descrip.	'4581164/gb\|AAD24647.1\|AC006220_3 2.0e-17 (AC006220) putative polyprotein [Arabidopsis thaliana]'		

Seq. No.	31646	Seq. ID	OJ990819_11.9C17.C3
Gene No.	65518	Strand	+
Start	747	End	1771
Name	OJ990819_11.9C17.C3.o1.gs	Method	GENSCAN
Start	747	End	1771
GI	none	Score	.72
Exons	747..828, 1602..1771		

Seq. No.	31646	Seq. ID	OJ990819_11.9C17.C3
Gene No.	65519	Strand	-
Start	1	End	1807
Name	OJ990819_11.9C17.C3.o1.np	Method	AAT/NAP
Start	1	End	1807

GI	5852175	Score	70
Exons	1..105, 708..800, 1403..1807		
GI Descrip.	(AL117265) zhb0005.1 [Oryza sativa]		

Seq. No.	31647	Seq. ID	OJ990819_11.9C17.C4
Gene No.	65520	Strand	+
Start	276	End	2056
Name	OJ990819_11.9C17.C4.o1.np	Method	AAT/NAP
Start	276	End	2053
GI	4680179	Score	2328
Exons	276..2053		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	31647	Seq. ID	OJ990819_11.9C17.C4
Gene No.	65520	Strand	+
Start	276	End	2056
Name	OJ990819_11.9C17.C4.o1.gs	Method	GENSCAN
Start	446	End	2056
GI	none	Score	.58
Exons	446..1348, 1532..2056		

Seq. No.	31647	Seq. ID	OJ990819_11.9C17.C4
Gene No.	65521	Strand	+
Start	5323	End	6499
Name	OJ990819_11.9C17.C4.o3.np	Method	AAT/NAP
Start	5323	End	6499
GI	4680185	Score	284
Exons	5323..5426, 6171..6499		
GI Descrip.	(AF111709) unknown [Oryza sativa subsp. indica]		

Seq. No.	31647	Seq. ID	OJ990819_11.9C17.C4
Gene No.	65522	Strand	-
Start	1162	End	3170
Name	OJ990819_11.9C17.C4.o2.tw	Method	TBLASTX:Wheat
Start	320	End	745
GI	none	Score	556
Exons	320..745, 322..738, 395..745		

Seq. No.	31647	Seq. ID	OJ990819_11.9C17.C4
Gene No.	65522	Strand	-
Start	1162	End	3170
Name	OJ990819_11.9C17.C4.o1.tm	Method	TBLASTX:Maize
Start	392	End	745
GI	none	Score	466
Exons	392..745, 397..738		

Seq. No.	31647	Seq. ID	OJ990819_11.9C17.C4
Gene No.	65522	Strand	-
Start	1162	End	3170
Name	OJ990819_11.9C17.C4.o1.tw	Method	TBLASTX:Wheat
Start	773	End	1313
GI	none	Score	605
Exons	773..1312, 961..1308, 1032..1313		

Seq. No.	31647	Seq. ID	OJ990819_11.9C17.C4
Gene No.	65522	Strand	-
Start	1162	End	3170

Name	OJ990819_11.9C17.C4.o3.tm	Method	TBLASTX:Maize
Start	929	End	1276
GI	none	Score	256
Exons	929..1261, 955..1275, 956..1276		

Seq. No.	31647	Seq. ID	OJ990819_11.9C17.C4
Gene No.	65522	Strand	-
Start	1162	End	3170
Name	OJ990819_11.9C17.C4.o1.ts	Method	TBLASTX:Soybean
Start	1100	End	1361
GI	none	Score	301
Exons	1100..1360, 1111..1359, 1164..1361		

Seq. No.	31647	Seq. ID	OJ990819_11.9C17.C4
Gene No.	65522	Strand	-
Start	1162	End	3170
Name	OJ990819_11.9C17.C4.o2.np	Method	AAT/NAP
Start	1162	End	3170
GI	5852179	Score	262
Exons	1162..1195, 2475..2848, 2923..3170		
GI Descrip.	(AL117265) zhb0009.1 [Oryza sativa]		

Seq. No.	31647	Seq. ID	OJ990819_11.9C17.C4
Gene No.	65522	Strand	-
Start	1162	End	3170
Name	OJ990819_11.9C17.C4.o2.tm	Method	TBLASTX:Maize
Start	1277	End	1594
GI	none	Score	453
Exons	1277..1594, 1288..1590		

Seq. No.	31647	Seq. ID	OJ990819_11.9C17.C4
Gene No.	65522	Strand	-
Start	1162	End	3170
Name	OJ990819_11.9C17.C4.o3.tw	Method	TBLASTX:Wheat
Start	1319	End	1705
GI	none	Score	500
Exons	1319..1705, 1324..1698, 1392..1430		

Seq. No.	31647	Seq. ID	OJ990819_11.9C17.C4
Gene No.	65522	Strand	-
Start	1162	End	3170
Name	OJ990819_11.9C17.C4.o4.tw	Method	TBLASTX:Wheat
Start	1721	End	2008
GI	none	Score	257
Exons	1721..2008, 1723..1956		

Seq. No.	31647	Seq. ID	OJ990819_11.9C17.C4
Gene No.	65522	Strand	-
Start	1162	End	3170
Name	OJ990819_11.9C17.C4.o4.tm	Method	TBLASTX:Maize
Start	1724	End	1957
GI	none	Score	235
Exons	1724..1957, 1762..1908		

Seq. No.	31648	Seq. ID	OJ990819_11.9C17.C5
Gene No.	65523	Strand	+
Start	1	End	10749

Name	OJ990819_11.9C17.C5.o1.np	Method	AAT/NAP
Start	1	End	1492
GI	4680179	Score	2256
Exons	1..1492		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	31648	Seq. ID	OJ990819_11.9C17.C5
Gene No.	65523	Strand	+
Start	1	End	10749
Name	OJ990819_11.9C17.C5.o1.gs	Method	GENSCAN
Start	98	End	1495
GI	none	Score	.99
Exons	98..1495		

Seq. No.	31648	Seq. ID	OJ990819_11.9C17.C5
Gene No.	65523	Strand	+
Start	1	End	10749
Name	OJ990819_11.9C17.C5.o4.np	Method	AAT/NAP
Start	195	End	10749
GI	6063554	Score	308
Exons	195..218, 8881..9071, 9190..9431, 9902..9929, 10574..10749		
GI Descrip.	(AP000615) ESTs AU075609(C63344),C71850(E0464),C98611(E0464) correspond to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	31648	Seq. ID	OJ990819_11.9C17.C5
Gene No.	65523	Strand	+
Start	1	End	10749
Name	OJ990819_11.9C17.C5.o3.np	Method	AAT/NAP
Start	1646	End	3782
GI	6063554	Score	171
Exons	1646..1674, 2217..2266, 2301..2492, 3610..3782		
GI Descrip.	(AP000615) ESTs AU075609(C63344),C71850(E0464),C98611(E0464) correspond to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	31648	Seq. ID	OJ990819_11.9C17.C5
Gene No.	65523	Strand	+
Start	1	End	10749
Name	OJ990819_11.9C17.C5.o2.np	Method	AAT/NAP
Start	2156	End	3054
GI	5852178	Score	479
Exons	2156..2458, 2490..2596, 2959..3054		
GI Descrip.	(AL117265) zhb0008.1 [Oryza sativa]		

Seq. No.	31648	Seq. ID	OJ990819_11.9C17.C5
Gene No.	65524	Strand	+
Start	11110	End	11383
Name	OJ990819_11.9C17.C5.o2.gp	Method	AAT/GAP
Start	11110	End	11383
GI	61605_3.R1084	Score	442
Exons	11110..11383		
GI Descrip.	'1402920/emb\|CAA66965\| 2.0e-20 (X98321) peroxidase [Arabidopsis thaliana]'		

Seq. No.	31648	Seq. ID	OJ990819_11.9C17.C5
Gene No.	65525	Strand	+

Start	13619	End	14462
Name	OJ990819_11.9C17.C5.o5.np	Method	AAT/NAP
Start	13619	End	14462
GI	6498441	Score	397
Exons	13619..13855, 13949..14115, 14352..14462		
GI Descrip.	(AP000815) EST C72786(E2258) corresponds to a region of the predicted gene.; Similar to Sorghum bicolor Gypsy-Ty3 type retrotransposon RetroSor1. (AF098806) [Oryza sativa]		

Seq. No.	31648	Seq. ID	OJ990819_11.9C17.C5
Gene No.	65526	Strand	-
Start	2213	End	2582
Name	OJ990819_11.9C17.C5.o2.gs	Method	GENSCAN
Start	2213	End	2582
GI	none	Score	.91
Exons	2213..2446, 2487..2582		

Seq. No.	31648	Seq. ID	OJ990819_11.9C17.C5
Gene No.	65527	Strand	-
Start	5927	End	12419
Name	OJ990819_11.9C17.C5.o2.tw	Method	TBLASTX:Wheat
Start	2	End	481
GI	none	Score	587
Exons	2..481, 112..477		

Seq. No.	31648	Seq. ID	OJ990819_11.9C17.C5
Gene No.	65527	Strand	-
Start	5927	End	12419
Name	OJ990819_11.9C17.C5.o1.tc	Method	TBLASTX:Cress
Start	179	End	505
GI	none	Score	90
Exons	179..361, 362..505, 364..504		

Seq. No.	31648	Seq. ID	OJ990819_11.9C17.C5
Gene No.	65527	Strand	-
Start	5927	End	12419
Name	OJ990819_11.9C17.C5.o1.ts	Method	TBLASTX:Soybean
Start	269	End	529
GI	none	Score	301
Exons	269..529, 280..528		

Seq. No.	31648	Seq. ID	OJ990819_11.9C17.C5
Gene No.	65527	Strand	-
Start	5927	End	12419
Name	OJ990819_11.9C17.C5.o2.tm	Method	TBLASTX:Maize
Start	327	End	619
GI	none	Score	408
Exons	327..614, 328..615, 329..619		

Seq. No.	31648	Seq. ID	OJ990819_11.9C17.C5
Gene No.	65527	Strand	-
Start	5927	End	12419
Name	OJ990819_11.9C17.C5.o1.tw	Method	TBLASTX:Wheat
Start	488	End	1114
GI	none	Score	715
Exons	488..1114, 544..993, 659..1105, 1054..1113		

Seq. No.	31648	Seq. ID	OJ990819_11.9C17.C5
Gene No.	65527	Strand	-
Start	5927	End	12419
Name	OJ990819_11.9C17.C5.o1.tm	Method	TBLASTX:Maize
Start	667	End	1252
GI	none	Score	221
Exons	667..822, 668..829, 826..987, 827..1252, 989..1231		

Seq. No.	31648	Seq. ID	OJ990819_11.9C17.C5
Gene No.	65527	Strand	-
Start	5927	End	12419
Name	OJ990819_11.9C17.C5.o3.tw	Method	TBLASTX:Wheat
Start	1115	End	1447
GI	none	Score	306
Exons	1115..1447, 1165..1395		

Seq. No.	31648	Seq. ID	OJ990819_11.9C17.C5
Gene No.	65527	Strand	-
Start	5927	End	12419
Name	OJ990819_11.9C17.C5.o3.gs	Method	GENSCAN
Start	5927	End	12419
GI	none	Score	.5
Exons	5927..6433, 6458..6580, 6907..7309, 7337..7654, 7734..7857, 8097..8182, 8338..8375, 8829..9107, 9137..9500, 11300..11442, 12348..12419		

Seq. No.	31648	Seq. ID	OJ990819_11.9C17.C5
Gene No.	65527	Strand	-
Start	5927	End	12419
Name	OJ990819_11.9C17.C5.o1.gp	Method	AAT/GAP
Start	9394	End	10128
GI	101153_1.R1084	Score	416
Exons	9394..9420, 9885..10128		
GI Descrip.	'5852170/emb\|AL117265.1\|OST17804 1.0e-115 Oryza sativa indica(GLA4) genomic DNA, chromosome 4, BAC clone:t17804'		

Seq. No.	31648	Seq. ID	OJ990819_11.9C17.C5
Gene No.	65528	Strand	
Start	13622	End	14064
Name	OJ990819_11.9C17.C5.o4.tw	Method	TBLASTX:Wheat
Start	13622	End	14064
GI	none	Score	55
Exons	13622..13732, 13623..13793, 13634..13792, 13794..13859, 13798..14064		

Seq. No.	31648	Seq. ID	OJ990819_11.9C17.C5
Gene No.	65529	Strand	
Start	16025	End	16462
Name	OJ990819_11.9C17.C5.o2.ts	Method	TBLASTX:Soybean
Start	16025	End	16462
GI	none	Score	65
Exons	16025..16156, 16184..16462		

Seq. No.	31648	Seq. ID	OJ990819_11.9C17.C5
Gene No.	65529	Strand	
Start	16025	End	16462
Name	OJ990819_11.9C17.C5.o5.tw	Method	TBLASTX:Wheat

Start	16052	End	16399
GI	none	Score	81
Exons	16052..16168, 16184..16399		

Seq. No.	31648	Seq. ID	OJ990819_11.9C17.C5
Gene No.	65530	Strand	
Start	17272	End	17637
Name	OJ990819_11.9C17.C5.o6.tw	Method	TBLASTX:Wheat
Start	17272	End	17637
GI	none	Score	98
Exons	17272..17427, 17460..17636, 17461..17637		

Seq. No.	31649	Seq. ID	OJ990819_11.9C17.C7
Gene No.	65531	Strand	+
Start	1	End	707
Name	OJ990819_11.9C17.C7.o1.np	Method	AAT/NAP
Start	1	End	707
GI	4680180	Score	1212
Exons	1..707		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	31649	Seq. ID	OJ990819_11.9C17.C7
Gene No.	65531	Strand	+
Start	1	End	707
Name	OJ990819_11.9C17.C7.o2.tw	Method	TBLASTX:Wheat
Start	2	End	238
GI	none	Score	197
Exons	2..238		

Seq. No.	31649	Seq. ID	OJ990819_11.9C17.C7
Gene No.	65531	Strand	+
Start	1	End	707
Name	OJ990819_11.9C17.C7.o1.gs	Method	GENSCAN
Start	38	End	524
GI	none	Score	.64
Exons	38..524		

Seq. No.	31649	Seq. ID	OJ990819_11.9C17.C7
Gene No.	65531	Strand	+
Start	1	End	707
Name	OJ990819_11.9C17.C7.o1.tm	Method	TBLASTX:Maize
Start	373	End	696
GI	none	Score	202
Exons	373..534, 374..532, 513..683, 523..696		

Seq. No.	31649	Seq. ID	OJ990819_11.9C17.C7
Gene No.	65531	Strand	+
Start	1	End	707
Name	OJ990819_11.9C17.C7.o1.tw	Method	TBLASTX:Wheat
Start	379	End	697
GI	none	Score	179
Exons	379..534, 380..532, 498..680, 508..690, 513..689, 574..690, 575..697		

Seq. No.	31650	Seq. ID	OJ990819_11.9C17.C9
Gene No.	65532	Strand	-
Start	8	End	237

Name	OJ990819_11.9C17.C9.o1.gs	Method	GENSCAN
Start	8	End	237
GI	none	Score	.47
Exons	8..237		

Seq. No.	31651	Seq. ID	OJ990819_11.9C17.C10
Gene No.	65533	Strand	+
Start	1190	End	15623
Name	OJ990819_11.9C17.C10.o1.gs	Method	GENSCAN
Start	1190	End	1990
GI	none	Score	.98
Exons	1190..1990		

Seq. No.	31651	Seq. ID	OJ990819_11.9C17.C10
Gene No.	65533	Strand	+
Start	1190	End	15623
Name	OJ990819_11.9C17.C10.o1.np	Method	AAT/NAP
Start	1190	End	1987
GI	4512231	Score	1345
Exons	1190..1987		
GI Descrip.	(AB014741) ORF0 protein [Oryza sativa]		

Seq. No.	31651	Seq. ID	OJ990819_11.9C17.C10
Gene No.	65533	Strand	+
Start	1190	End	15623
Name	OJ990819_11.9C17.C10.o3.np	Method	AAT/NAP
Start	1868	End	12126
GI	5852180	Score	547
Exons	1868..1915, 5411..5492, 6469..6586, 6638..7051, 8546..8594, 12108..12126		
GI Descrip.	(AL117265) zhb00010.1 [Oryza sativa]		

Seq. No.	31651	Seq. ID	OJ990819_11.9C17.C10
Gene No.	65533	Strand	+
Start	1190	End	15623
Name	OJ990819_11.9C17.C10.o2.np	Method	AAT/NAP
Start	2203	End	4638
GI	4680179	Score	2541
Exons	2203..3268, 3296..4638		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	31651	Seq. ID	OJ990819_11.9C17.C10
Gene No.	65533	Strand	+
Start	1190	End	15623
Name	OJ990819_11.9C17.C10.o2.gs	Method	GENSCAN
Start	2267	End	4567
GI	none	Score	.93
Exons	2267..4567		

Seq. No.	31651	Seq. ID	OJ990819_11.9C17.C10
Gene No.	65533	Strand	+
Start	1190	End	15623
Name	OJ990819_11.9C17.C10.o5.gs	Method	GENSCAN
Start	9211	End	14047
GI	none	Score	.76
Exons	9211..9579, 9590..9879, 10734..10866, 12380..13783, 13892..14047		

Seq. No.	31651	Seq. ID	OJ990819_11.9C17.C10
Gene No.	65533	Strand	+
Start	1190	End	15623
Name	OJ990819_11.9C17.C10.o7.np	Method	AAT/NAP
Start	12063	End	15623
GI	729704	Score	96
Exons	12063..12095, 12665..12760, 12983..13039, 13282..13364, 13620..13700, 15586..15623		
GI Descrip.	DNA-BINDING PROTEIN HEXBP (HEXAMER-BINDING PROTEIN) gi\|1078700\|pir\|\|A47156 hexamer-binding protein HEXBP - Leishmania major gi\|159342 (M94390) HEXBP DNA binding protein [Leishmania major]		

Seq. No.	31651	Seq. ID	OJ990819_11.9C17.C10
Gene No.	65533	Strand	+
Start	1190	End	15623
Name	OJ990819_11.9C17.C10.o6.gs	Method	GENSCAN
Start	15032	End	15257
GI	none	Score	.79
Exons	15032..15257		

Seq. No.	31651	Seq. ID	OJ990819_11.9C17.C10
Gene No.	65534	Strand	-
Start	5341	End	5717
Name	OJ990819_11.9C17.C10.o2.gp	Method	AAT/GAP
Start	5341	End	5717
GI	uC-osflcyp033a04b1	Score	666
Exons	5341..5717		
GI Descrip.	'6016845/dbj\|AP000570.1\|AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		

Seq. No.	31651	Seq. ID	OJ990819_11.9C17.C10
Gene No.	65535	Strand	-
Start	6148	End	13824
Name	OJ990819_11.9C17.C10.o7.tw	Method	TBLASTX:Wheat
Start	2419	End	2617
GI	none	Score	216
Exons	2419..2616, 2420..2617		

Seq. No.	31651	Seq. ID	OJ990819_11.9C17.C10
Gene No.	65535	Strand	-
Start	6148	End	13824
Name	OJ990819_11.9C17.C10.o4.tw	Method	TBLASTX:Wheat
Start	2666	End	3019
GI	none	Score	307
Exons	2666..2863, 2669..3019		

Seq. No.	31651	Seq. ID	OJ990819_11.9C17.C10
Gene No.	65535	Strand	-
Start	6148	End	13824
Name	OJ990819_11.9C17.C10.o3.tm	Method	TBLASTX:Maize
Start	2669	End	2974
GI	none	Score	235
Exons	2669..2974, 2669..2956		

Seq. No.	31651	Seq. ID	OJ990819_11.9C17.C10
Gene No.	65535	Strand	-

Start	6148	End	13824
Name	OJ990819_11.9C17.C10.o6.tw	Method	TBLASTX:Wheat
Start	3353	End	3706
GI	none	Score	256
Exons	3353..3706		

Seq. No.	31651	Seq. ID	OJ990819_11.9C17.C10
Gene No.	65535	Strand	-
Start	6148	End	13824
Name	OJ990819_11.9C17.C10.o5.tm	Method	TBLASTX:Maize
Start	3710	End	3901
GI	none	Score	188
Exons	3710..3901, 3748..3855		

Seq. No.	31651	Seq. ID	OJ990819_11.9C17.C10
Gene No.	65535	Strand	-
Start	6148	End	13824
Name	OJ990819_11.9C17.C10.o1.tw	Method	TBLASTX:Wheat
Start	3838	End	4321
GI	none	Score	530
Exons	3838..4278, 3839..4321, 3863..4318		

Seq. No.	31651	Seq. ID	OJ990819_11.9C17.C10
Gene No.	65535	Strand	-
Start	6148	End	13824
Name	OJ990819_11.9C17.C10.o2.ts	Method	TBLASTX:Soybean
Start	3875	End	4189
GI	none	Score	193
Exons	3875..4189		

Seq. No.	31651	Seq. ID	OJ990819_11.9C17.C10
Gene No.	65535	Strand	-
Start	6148	End	13824
Name	OJ990819_11.9C17.C10.o2.tm	Method	TBLASTX:Maize
Start	3904	End	4351
GI	none	Score	368
Exons	3904..4146, 3908..4351		

Seq. No.	31651	Seq. ID	OJ990819_11.9C17.C10
Gene No.	65535	Strand	-
Start	6148	End	13824
Name	OJ990819_11.9C17.C10.o1.ts	Method	TBLASTX:Soybean
Start	4262	End	4638
GI	none	Score	57
Exons	4262..4294, 4262..4294, 4298..4351, 4301..4441, 4406..4564, 4414..4563, 4551..4634, 4558..4638		

Seq. No.	31651	Seq. ID	OJ990819_11.9C17.C10
Gene No.	65535	Strand	-
Start	6148	End	13824
Name	OJ990819_11.9C17.C10.o4.tm	Method	TBLASTX:Maize
Start	4406	End	4638
GI	none	Score	144
Exons	4406..4564, 4459..4551, 4551..4586, 4558..4638		

Seq. No.	31651	Seq. ID	OJ990819_11.9C17.C10
Gene No.	65535	Strand	-

Start	6148	End	13824
Name	OJ990819_11.9C17.C10.o5.tw	Method	TBLASTX:Wheat
Start	4409	End	4638
GI	none	Score	200
Exons	4409..4564, 4411..4563, 4557..4637, 4558..4638		

Seq. No.	31651	Seq. ID	OJ990819_11.9C17.C10
Gene No.	65535	Strand	-
Start	6148	End	13824
Name	OJ990819_11.9C17.C10.o3.gs	Method	GENSCAN
Start	6148	End	7167
GI	none	Score	.66
Exons	6148..6233, 6560..6701, 6793..7167		

Seq. No.	31651	Seq. ID	OJ990819_11.9C17.C10
Gene No.	65535	Strand	-
Start	6148	End	13824
Name	OJ990819_11.9C17.C10.o5.np	Method	AAT/NAP
Start	6834	End	11842
GI	5852180	Score	592
Exons	6834..6903, 8572..8626, 9324..9733, 9785..9901, 10984..11040, 11803..11842		
GI Descrip.	(AL117265) zhb00010.1 [Oryza sativa]		

Seq. No.	31651	Seq. ID	OJ990819_11.9C17.C10
Gene No.	65535	Strand	-
Start	6148	End	13824
Name	OJ990819_11.9C17.C10.o4.gs	Method	GENSCAN
Start	7796	End	8548
GI	none	Score	.92
Exons	7796..8548		

Seq. No.	31651	Seq. ID	OJ990819_11.9C17.C10
Gene No.	65535	Strand	-
Start	6148	End	13824
Name	OJ990819_11.9C17.C10.o4.np	Method	AAT/NAP
Start	7799	End	13824
GI	4680179	Score	1128
Exons	7799..8601, 13732..13824		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	31651	Seq. ID	OJ990819_11.9C17.C10
Gene No.	65535	Strand	-
Start	6148	End	13824
Name	OJ990819_11.9C17.C10.o3.tw	Method	TBLASTX:Wheat
Start	7844	End	8177
GI	none	Score	135
Exons	7844..8176, 7865..8173, 7908..8177		

Seq. No.	31651	Seq. ID	OJ990819_11.9C17.C10
Gene No.	65535	Strand	-
Start	6148	End	13824
Name	OJ990819_11.9C17.C10.o1.tm	Method	TBLASTX:Maize
Start	8024	End	8602
GI	none	Score	213
Exons	8024..8464, 8040..8465, 8462..8602, 8469..8591		

Seq. No.	31651	Seq. ID	OJ990819_11.9C17.C10
Gene No.	65535	Strand	-
Start	6148	End	13824
Name	OJ990819_11.9C17.C10.o2.tw	Method	TBLASTX:Wheat
Start	8177	End	8590
GI	none	Score	61
Exons	8177..8590, 8180..8431, 8289..8540, 8462..8584		

Seq. No.	31651	Seq. ID	OJ990819_11.9C17.C10
Gene No.	65535	Strand	-
Start	6148	End	13824
Name	OJ990819_11.9C17.C10.o6.np	Method	AAT/NAP
Start	10589	End	10795
GI	4680186	Score	136
Exons	10589..10795		
GI Descrip.	(AF111709) unknown [Oryza sativa subsp. indica]		

Seq. No.	31652	Seq. ID	OJ990819_11.9C17.C11
Gene No.	65536	Strand	+
Start	239	End	305
Name	OJ990819_11.9C17.C11.o1.gs	Method	GENSCAN
Start	239	End	305
GI	none	Score	.44
Exons	239..305		

Seq. No.	31653	Seq. ID	OJ990819_11.9C17.C12
Gene No.	65537	Strand	+
Start	1523	End	6576
Name	OJ990819_11.9C17.C12.o1.np	Method	AAT/NAP
Start	1523	End	6576
GI	5295955	Score	487
Exons	1523..1546, 4021..4089, 4631..4744, 5430..5759, 5873..6576		
GI Descrip.	(AB026295) Similar to Epstein-Barr virus (EBV) genome.(V01555) [Oryza sativa]		

Seq. No.	31653	Seq. ID	OJ990819_11.9C17.C12
Gene No.	65537	Strand	+
Start	1523	End	6576
Name	OJ990819_11.9C17.C12.o1.gs	Method	GENSCAN
Start	2628	End	4698
GI	none	Score	.61
Exons	2628..2689, 2882..2915, 3289..3775, 3878..3964, 4586..4698		

Seq. No.	31653	Seq. ID	OJ990819_11.9C17.C12
Gene No.	65538	Strand	-
Start	5599	End	10120
Name	OJ990819_11.9C17.C12.o1.tw	Method	TBLASTX:Wheat
Start	3165	End	3555
GI	none	Score	181
Exons	3165..3386, 3166..3555		

Seq. No.	31653	Seq. ID	OJ990819_11.9C17.C12
Gene No.	65538	Strand	-
Start	5599	End	10120
Name	OJ990819_11.9C17.C12.o2.gs	Method	GENSCAN
Start	5599	End	10120
GI	none	Score	.93

Exons	5599..5723, 5729..5821, 5914..6152, 7841..8121, 8201..8311, 8522..8947, 9326..10120		
Seq. No.	31654	Seq. ID	OJ990819_11.9C17.C13
Gene No.	65539	Strand	+
Start	110	End	289
Name	OJ990819_11.9C17.C13.o1.gs	Method	GENSCAN
Start	110	End	289
GI	none	Score	.68
Exons	110..289		
Seq. No.	31654	Seq. ID	OJ990819_11.9C17.C13
Gene No.	65540	Strand	+
Start	721	End	1446
Name	OJ990819_11.9C17.C13.o2.gs	Method	GENSCAN
Start	721	End	1446
GI	none	Score	.82
Exons	721..806, 1356..1446		
Seq. No.	31654	Seq. ID	OJ990819_11.9C17.C13
Gene No.	65541	Strand	+
Start	3916	End	4345
Name	OJ990819_11.9C17.C13.o1.np	Method	AAT/NAP
Start	3916	End	4345
GI	4680182	Score	187
Exons	3916..4345		
GI Descrip.	(AF111709) unknown [Oryza sativa subsp. indica]		
Seq. No.	31654	Seq. ID	OJ990819_11.9C17.C13
Gene No.	65541	Strand	+
Start	3916	End	4345
Name	OJ990819_11.9C17.C13.o1.tc	Method	TBLASTX:Cress
Start	3937	End	4233
GI	none	Score	87
Exons	3937..4116, 4144..4233, 4149..4232		
Seq. No.	31654	Seq. ID	OJ990819_11.9C17.C13
Gene No.	65541	Strand	+
Start	3916	End	4345
Name	OJ990819_11.9C17.C13.o1.tm	Method	TBLASTX:Maize
Start	3999	End	4341
GI	none	Score	63
Exons	3999..4097, 3999..4232, 4006..4341, 4121..4282, 4249..4341		
Seq. No.	31655	Seq. ID	OJ990819_11.9C17.C14
Gene No.	65542	Strand	+
Start	106	End	1543
Name	OJ990819_11.9C17.C14.o1.gs	Method	GENSCAN
Start	106	End	1543
GI	none	Score	.62
Exons	106..390, 596..760, 774..1543		
Seq. No.	31655	Seq. ID	OJ990819_11.9C17.C14
Gene No.	65543	Strand	+
Start	3871	End	9778
Name	OJ990819_11.9C17.C14.o2.np	Method	AAT/NAP
Start	3871	End	7594

GI	4680181	Score	132
Exons	3871..3898, 5442..5860, 5992..6264, 7567..7594		
GI Descrip.	(AF111709) unknown [Oryza sativa subsp. indica]		

Seq. No.	31655	Seq. ID	OJ990819_11.9C17.C14
Gene No.	65543	Strand	+
Start	3871	End	9778
Name	OJ990819_11.9C17.C14.o2.gs	Method	GENSCAN
Start	5243	End	6295
GI	none	Score	.55
Exons	5243..6295		

Seq. No.	31655	Seq. ID	OJ990819_11.9C17.C14
Gene No.	65543	Strand	+
Start	3871	End	9778
Name	OJ990819_11.9C17.C14.o3.gs	Method	GENSCAN
Start	7005	End	9778
GI	none	Score	.67
Exons	7005..7020, 7482..7727, 8333..8383, 8555..8789, 8845..9778		

Seq. No.	31655	Seq. ID	OJ990819_11.9C17.C14
Gene No.	65544	Strand	-
Start	10674	End	10946
Name	OJ990819_11.9C17.C14.o1.gp	Method	AAT/GAP
Start	10674	End	10946
GI	61605_1.R1084	Score	455
Exons	10674..10946		
GI Descrip.	'5852170/emb\|AL117265.1\|OST17804 1.0e-137 Oryza sativa indica(GLA4) genomic DNA, chromosome 4, BAC clone:t17804'		

Seq. No.	31655	Seq. ID	OJ990819_11.9C17.C14
Gene No.	65545	Strand	-
Start	11318	End	12276
Name	OJ990819_11.9C17.C14.o2.tm	Method	TBLASTX:Maize
Start	47	End	422
GI	none	Score	49
Exons	47..100, 84..131, 213..422, 216..413, 236..421		

Seq. No.	31655	Seq. ID	OJ990819_11.9C17.C14
Gene No.	65545	Strand	-
Start	11318	End	12276
Name	OJ990819_11.9C17.C14.o1.tm	Method	TBLASTX:Maize
Start	9001	End	9415
GI	none	Score	296
Exons	9001..9297, 9008..9301, 9218..9400, 9229..9372, 9305..9415		

Seq. No.	31655	Seq. ID	OJ990819_11.9C17.C14
Gene No.	65545	Strand	-
Start	11318	End	12276
Name	OJ990819_11.9C17.C14.o3.np	Method	AAT/NAP
Start	11318	End	12276
GI	6063554	Score	237
Exons	11318..11491, 12130..12276		
GI Descrip.	(AP000615) ESTs AU075609(C63344),C71850(E0464),C98611(E0464) correspond to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	31656	Seq. ID	OJ990819_11.9C17.C15
Gene No.	65546	Strand	+
Start	64	End	794
Name	OJ990819_11.9C17.C15.o1.gs	Method	GENSCAN
Start	64	End	794
GI	none	Score	.93
Exons	64..341, 380..794		

Seq. No.	31656	Seq. ID	OJ990819_11.9C17.C15
Gene No.	65547	Strand	-
Start	1436	End	3087
Name	OJ990819_11.9C17.C15.o2.gs	Method	GENSCAN
Start	1436	End	3087
GI	none	Score	.81
Exons	1436..1570, 3037..3087		

Seq. No.	31657	Seq. ID	OJ990819_11.9C17.C16
Gene No.	65548	Strand	+
Start	74	End	469
Name	OJ990819_11.9C17.C16.o1.gs	Method	GENSCAN
Start	74	End	469
GI	none	Score	.96
Exons	74..469		

Seq. No.	31657	Seq. ID	OJ990819_11.9C17.C16
Gene No.	65549	Strand	+
Start	1128	End	3490
Name	OJ990819_11.9C17.C16.o2.gs	Method	GENSCAN
Start	1128	End	3413
GI	none	Score	.57
Exons	1128..1236, 1499..1644, 1662..3413		

Seq. No.	31657	Seq. ID	OJ990819_11.9C17.C16
Gene No.	65549	Strand	+
Start	1128	End	3490
Name	OJ990819_11.9C17.C16.o1.tm	Method	TBLASTX:Maize
Start	1687	End	3052
GI	none	Score	226
Exons	1687..2154, 1696..1767, 1806..1931, 1824..2162, 1902..2216, 1912..2217, 2114..2299, 2118..2609, 2286..2387, 2349..2831, 2350..2424, 2399..2605, 2414..2830, 2562..3023, 2564..3022, 2789..3028, 2828..3052, 2843..3031		

Seq. No.	31657	Seq. ID	OJ990819_11.9C17.C16
Gene No.	65549	Strand	+
Start	1128	End	3490
Name	OJ990819_11.9C17.C16.o2.tm	Method	TBLASTX:Maize
Start	3058	End	3490
GI	none	Score	43
Exons	3058..3093, 3059..3109, 3106..3414, 3111..3239, 3169..3414, 3276..3419, 3303..3419, 3311..3421, 3424..3453, 3425..3475, 3461..3490, 3461..3490		

Seq. No.	31658	Seq. ID	OJ990819_11.9C17.C17
Gene No.	65550	Strand	+
Start	467	End	3430
Name	OJ990819_11.9C17.C17.o1.gs	Method	GENSCAN

Start	467	End	3430
GI	none	Score	.82
Exons	467..1390, 1609..1766, 1848..2134, 2281..2481, 2620..2733, 2805..2909, 2982..3430		

Seq. No.	31658	Seq. ID	OJ990819_11.9C17.C17
Gene No.	65550	Strand	+
Start	467	End	3430
Name	OJ990819_11.9C17.C17.o1.np	Method	AAT/NAP
Start	506	End	3427
GI	6691716	Score	2354
Exons	506..1394, 1592..1766, 1848..2153, 2294..2468, 2544..2655, 2805..2909, 2982..3427		
GI Descrip.	(AP000492) hypothetical protein [Oryza sativa] gi\|6691717\|dbj\|BAA89397.1\| (AP000570) hypothetical protein [Oryza sativa]		

Seq. No.	31658	Seq. ID	OJ990819_11.9C17.C17
Gene No.	65551	Strand	+
Start	8851	End	13936
Name	OJ990819_11.9C17.C17.o3.np	Method	AAT/NAP
Start	8851	End	12901
GI	4680183	Score	138
Exons	8851..8870, 12723..12901		
GI Descrip.	(AF111709) gag-pol protein [Oryza sativa subsp. indica]		

Seq. No.	31658	Seq. ID	OJ990819_11.9C17.C17
Gene No.	65551	Strand	+
Start	8851	End	13936
Name	OJ990819_11.9C17.C17.o3.gs	Method	GENSCAN
Start	10577	End	13874
GI	none	Score	.51
Exons	10577..10612, 10670..10842, 12699..12798, 12812..12857, 13597..13874		

Seq. No.	31658	Seq. ID	OJ990819_11.9C17.C17
Gene No.	65551	Strand	+
Start	8851	End	13936
Name	OJ990819_11.9C17.C17.o4.np	Method	AAT/NAP
Start	12036	End	13936
GI	6815109	Score	72
Exons	12036..12125, 13619..13728, 13785..13936		
GI Descrip.	(AP001081) hypothetical protein [Oryza sativa]		

Seq. No.	31658	Seq. ID	OJ990819_11.9C17.C17
Gene No.	65552	Strand	-
Start	3746	End	12845
Name	OJ990819_11.9C17.C17.o9.tw	Method	TBLASTX:Wheat
Start	626	End	916
GI	none	Score	220
Exons	626..916		

Seq. No.	31658	Seq. ID	OJ990819_11.9C17.C17
Gene No.	65552	Strand	-
Start	3746	End	12845
Name	OJ990819_11.9C17.C17.o2.gs	Method	GENSCAN
Start	3746	End	9855

GI	none	Score	.95
Exons	3746..4707, 4728..6826, 6923..9855		

Seq. No.	31658	Seq. ID	OJ990819_11.9C17.C17
Gene No.	65552	Strand	-
Start	3746	End	12845
Name	OJ990819_11.9C17.C17.o4.tw	Method	TBLASTX:Wheat
Start	3758	End	4366
GI	none	Score	83
Exons	3758..3895, 3881..4039, 4094..4366, 4110..4217, 4263..4349		

Seq. No.	31658	Seq. ID	OJ990819_11.9C17.C17
Gene No.	65552	Strand	-
Start	3746	End	12845
Name	OJ990819_11.9C17.C17.o2.np	Method	AAT/NAP
Start	3782	End	9855
GI	5922631	Score	6673
Exons	3782..6308, 6915..7838, 7965..8116, 8159..8730, 8776..8978, 9228..9472, 9731..9855		
GI Descrip.	(AP000492) ESTs C26347(C12145),AU078074(C12145) correspond to a region of the predicted gene.; similar to prpol; Zea mays retrotransposon Cinful-1. (AF049110) [Oryza sativa] gi\|6016864\|dbj\|BAA85207.1\| (AP000570) ESTs C26347(C12145),AU078074(C12145) correspond to a region of the predicted gene.; Similar to prpol; Zea mays retrotransposon Cinful-1. (AF049110) [Oryza sativ		

Seq. No.	31658	Seq. ID	OJ990819_11.9C17.C17
Gene No.	65552	Strand	-
Start	3746	End	12845
Name	OJ990819_11.9C17.C17.o4.tm	Method	TBLASTX:Maize
Start	3795	End	4030
GI	none	Score	101
Exons	3795..3899, 3797..3898, 3878..4030		

Seq. No.	31658	Seq. ID	OJ990819_11.9C17.C17
Gene No.	65552	Strand	-
Start	3746	End	12845
Name	OJ990819_11.9C17.C17.o6.tm	Method	TBLASTX:Maize
Start	4142	End	4415
GI	none	Score	56
Exons	4142..4228, 4238..4321, 4251..4325, 4308..4415, 4316..4414		

Seq. No.	31658	Seq. ID	OJ990819_11.9C17.C17
Gene No.	65552	Strand	-
Start	3746	End	12845
Name	OJ990819_11.9C17.C17.o5.tw	Method	TBLASTX:Wheat
Start	4487	End	4873
GI	none	Score	112
Exons	4487..4678, 4487..4744, 4563..4739, 4572..4754, 4718..4873, 4720..4872		

Seq. No.	31658	Seq. ID	OJ990819_11.9C17.C17
Gene No.	65552	Strand	-
Start	3746	End	12845
Name	OJ990819_11.9C17.C17.o1.tm	Method	TBLASTX:Maize
Start	4517	End	4879

GI	none	Score	67
Exons	4517..4564, 4518..4565, 4556..4729, 4569..4739, 4718..4879, 4720..4878		

Seq. No.	31658	Seq. ID	OJ990819_11.9C17.C17
Gene No.	65552	Strand	-
Start	3746	End	12845
Name	OJ990819_11.9C17.C17.o6.tw	Method	TBLASTX:Wheat
Start	5067	End	12845
GI	none	Score	53
Exons	5067..5150, 7118..7354, 7120..7350, 7399..7575, 12600..12626, 12744..12845		

Seq. No.	31658	Seq. ID	OJ990819_11.9C17.C17
Gene No.	65552	Strand	-
Start	3746	End	12845
Name	OJ990819_11.9C17.C17.o5.tm	Method	TBLASTX:Maize
Start	5107	End	5361
GI	none	Score	193
Exons	5107..5361		

Seq. No.	31658	Seq. ID	OJ990819_11.9C17.C17
Gene No.	65552	Strand	-
Start	3746	End	12845
Name	OJ990819_11.9C17.C17.o3.tw	Method	TBLASTX:Wheat
Start	5191	End	5613
GI	none	Score	256
Exons	5191..5613, 5201..5605		

Seq. No.	31658	Seq. ID	OJ990819_11.9C17.C17
Gene No.	65552	Strand	-
Start	3746	End	12845
Name	OJ990819_11.9C17.C17.o2.ts	Method	TBLASTX:Soybean
Start	5234	End	5622
GI	none	Score	162
Exons	5234..5614, 5236..5478, 5518..5622		

Seq. No.	31658	Seq. ID	OJ990819_11.9C17.C17
Gene No.	65552	Strand	-
Start	3746	End	12845
Name	OJ990819_11.9C17.C17.o8.tw	Method	TBLASTX:Wheat
Start	5613	End	5899
GI	none	Score	87
Exons	5613..5711, 5614..5889, 5617..5898, 5822..5899		

Seq. No.	31658	Seq. ID	OJ990819_11.9C17.C17
Gene No.	65552	Strand	-
Start	3746	End	12845
Name	OJ990819_11.9C17.C17.o3.tm	Method	TBLASTX:Maize
Start	5737	End	6181
GI	none	Score	89
Exons	5737..5763, 5761..5904, 5774..5905, 5926..6156, 5926..6180, 5927..6181		

Seq. No.	31658	Seq. ID	OJ990819_11.9C17.C17
Gene No.	65552	Strand	-
Start	3746	End	12845

Name	OJ990819_11.9C17.C17.o1.ts	Method	TBLASTX:Soybean
Start	5848	End	6249
GI	none	Score	47
Exons	5848..6249, 5882..6052, 6089..6232		

Seq. No.	31658	Seq. ID	OJ990819_11.9C17.C17
Gene No.	65552	Strand	-
Start	3746	End	12845
Name	OJ990819_11.9C17.C17.o2.tw	Method	TBLASTX:Wheat
Start	5903	End	6327
GI	none	Score	289
Exons	5903..6283, 5903..6262, 5908..6327		

Seq. No.	31658	Seq. ID	OJ990819_11.9C17.C17
Gene No.	65552	Strand	-
Start	3746	End	12845
Name	OJ990819_11.9C17.C17.o2.tm	Method	TBLASTX:Maize
Start	6412	End	6768
GI	none	Score	218
Exons	6412..6768, 6422..6727		

Seq. No.	31658	Seq. ID	OJ990819_11.9C17.C17
Gene No.	65552	Strand	-
Start	3746	End	12845
Name	OJ990819_11.9C17.C17.o1.tw	Method	TBLASTX:Wheat
Start	6442	End	6898
GI	none	Score	266
Exons	6442..6897, 6443..6898		

Seq. No.	31658	Seq. ID	OJ990819_11.9C17.C17
Gene No.	65552	Strand	-
Start	3746	End	12845
Name	OJ990819_11.9C17.C17.o3.ts	Method	TBLASTX:Soybean
Start	6493	End	6858
GI	none	Score	139
Exons	6493..6627, 6634..6858		

Seq. No.	31658	Seq. ID	OJ990819_11.9C17.C17
Gene No.	65552	Strand	-
Start	3746	End	12845
Name	OJ990819_11.9C17.C17.o7.tm	Method	TBLASTX:Maize
Start	7120	End	7267
GI	none	Score	114
Exons	7120..7266, 7121..7267		

Seq. No.	31658	Seq. ID	OJ990819_11.9C17.C17
Gene No.	65552	Strand	-
Start	3746	End	12845
Name	OJ990819_11.9C17.C17.o7.tw	Method	TBLASTX:Wheat
Start	8152	End	8554
GI	none	Score	117
Exons	8152..8553, 8285..8554		

Seq. No.	31659	Seq. ID	OJ990819_11.9C17.C18
Gene No.	65553	Strand	-
Start	1	End	325
Name	OJ990819_11.9C17.C18.o1.np	Method	AAT/NAP

Start	1	End	325
GI	119714	Score	80
Exons	1..325		
GI Descrip.	EXTENSIN PRECURSOR (CELL WALL HYDROXYPROLINE-RICH GLYCOPROTEIN) gi\|82169\|pir\|\|S06733 hydroxyproline-rich glycoprotein precursor - common tobacco gi\|19867\|emb\|CAA32090\| (X13885) extensin (AA 1-620) [Nicotiana tabacum]		

Seq. No.	31660	Seq. ID	OJ990819_11.9C17.C19
Gene No.	65554	Strand	+
Start	343	End	1198
Name	OJ990819_11.9C17.C19.o1.np	Method	AAT/NAP
Start	343	End	1198
GI	3445397	Score	442
Exons	343..1198		
GI Descrip.	(AJ010166) S-domain receptor-like protein kinase [Zea mays]		

Seq. No.	31661	Seq. ID	OJ990819_11.9C17.C20
Gene No.	65555	Strand	-
Start	453	End	1379
Name	OJ990819_11.9C17.C20.o1.gs	Method	GENSCAN
Start	453	End	1379
GI	none	Score	.86
Exons	453..490, 1271..1379		

Seq. No.	31662	Seq. ID	OJ990819_11.9C17.C22
Gene No.	65556	Strand	+
Start	60	End	464
Name	OJ990819_11.9C17.C22.o1.gs	Method	GENSCAN
Start	60	End	464
GI	none	Score	.83
Exons	60..142, 162..241, 335..464		

Seq. No.	31662	Seq. ID	OJ990819_11.9C17.C22
Gene No.	65557	Strand	-
Start	392	End	680
Name	OJ990819_11.9C17.C22.o1.np	Method	AAT/NAP
Start	392	End	680
GI	1362587	Score	83
Exons	392..680		
GI Descrip.	spermatid-specific protein T2 precursor - longfin squid		

Seq. No.	31663	Seq. ID	OJ990819_11.9C17.C23
Gene No.	65558	Strand	+
Start	1	End	1701
Name	OJ990819_11.9C17.C23.o1.np	Method	AAT/NAP
Start	1	End	1398
GI	6498436	Score	231
Exons	1..44, 633..1010, 1267..1398		
GI Descrip.	(AP000815) hypothetical protein [Oryza sativa]		

Seq. No.	31663	Seq. ID	OJ990819_11.9C17.C23
Gene No.	65558	Strand	+
Start	1	End	1701
Name	OJ990819_11.9C17.C23.o1.gs	Method	GENSCAN
Start	489	End	1701
GI	none	Score	.51

Exons	489..680, 1402..1701		
Seq. No.	31664	Seq. ID	OJ990819_11.9C17.C24
Gene No.	65559	Strand	-
Start	34	End	354
Name	OJ990819_11.9C17.C24.o1.gs	Method	GENSCAN
Start	34	End	354
GI	none	Score	.7
Exons	34..354		
Seq. No.	31665	Seq. ID	OJ990819_11.9C17.C25
Gene No.	65560	Strand	-
Start	1	End	4026
Name	OJ990819_11.9C17.C25.o1.np	Method	AAT/NAP
Start	1	End	4026
GI	4680179	Score	4139
Exons	1..60, 287..2910, 2944..4026		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		
Seq. No.	31665	Seq. ID	OJ990819_11.9C17.C25
Gene No.	65560	Strand	-
Start	1	End	4026
Name	OJ990819_11.9C17.C25.o1.gs	Method	GENSCAN
Start	281	End	4020
GI	none	Score	.51
Exons	281..301, 431..603, 894..2211, 2275..4020		
Seq. No.	31665	Seq. ID	OJ990819_11.9C17.C25
Gene No.	65561	Strand	-
Start	4278	End	5087
Name	OJ990819_11.9C17.C25.o6.tw	Method	TBLASTX:Wheat
Start	287	End	515
GI	none	Score	158
Exons	287..514, 288..515		
Seq. No.	31665	Seq. ID	OJ990819_11.9C17.C25
Gene No.	65561	Strand	-
Start	4278	End	5087
Name	OJ990819_11.9C17.C25.o3.tm	Method	TBLASTX:Maize
Start	383	End	675
GI	none	Score	208
Exons	383..673, 387..674, 514..675		
Seq. No.	31665	Seq. ID	OJ990819_11.9C17.C25
Gene No.	65561	Strand	-
Start	4278	End	5087
Name	OJ990819_11.9C17.C25.o2.ts	Method	TBLASTX:Soybean
Start	473	End	701
GI	none	Score	137
Exons	473..700, 474..701		
Seq. No.	31665	Seq. ID	OJ990819_11.9C17.C25
Gene No.	65561	Strand	-
Start	4278	End	5087
Name	OJ990819_11.9C17.C25.o2.tw	Method	TBLASTX:Wheat
Start	521	End	4330
GI	none	Score	172

Exons	521..700, 522..701, 525..707, 702..860, 705..860, 706..861, 853..1008, 4268..4330		
Seq. No.	31665	Seq. ID	OJ990819_11.9C17.C25
Gene No.	65561	Strand	-
Start	4278	End	5087
Name	OJ990819_11.9C17.C25.o1.tw	Method	TBLASTX:Wheat
Start	1009	End	1512
GI	none	Score	356
Exons	1009..1512, 1091..1483		
Seq. No.	31665	Seq. ID	OJ990819_11.9C17.C25
Gene No.	65561	Strand	-
Start	4278	End	5087
Name	OJ990819_11.9C17.C25.o1.tm	Method	TBLASTX:Maize
Start	1026	End	1441
GI	none	Score	167
Exons	1026..1439, 1078..1440, 1087..1440, 1091..1441		
Seq. No.	31665	Seq. ID	OJ990819_11.9C17.C25
Gene No.	65561	Strand	-
Start	4278	End	5087
Name	OJ990819_11.9C17.C25.o3.ts	Method	TBLASTX:Soybean
Start	1261	End	1506
GI	none	Score	92
Exons	1261..1506, 1262..1489		
Seq. No.	31665	Seq. ID	OJ990819_11.9C17.C25
Gene No.	65561	Strand	-
Start	4278	End	5087
Name	OJ990819_11.9C17.C25.o2.tm	Method	TBLASTX:Maize
Start	1477	End	1977
GI	none	Score	50
Exons	1477..1791, 1520..1570, 1598..1651, 1798..1977, 1850..1969		
Seq. No.	31665	Seq. ID	OJ990819_11.9C17.C25
Gene No.	65561	Strand	-
Start	4278	End	5087
Name	OJ990819_11.9C17.C25.o4.tw	Method	TBLASTX:Wheat
Start	1513	End	1815
GI	none	Score	260
Exons	1513..1815, 1529..1813		
Seq. No.	31665	Seq. ID	OJ990819_11.9C17.C25
Gene No.	65561	Strand	-
Start	4278	End	5087
Name	OJ990819_11.9C17.C25.o1.ts	Method	TBLASTX:Soybean
Start	1528	End	1923
GI	none	Score	185
Exons	1528..1887, 1529..1819, 1850..1885, 1891..1923, 1892..1921		
Seq. No.	31665	Seq. ID	OJ990819_11.9C17.C25
Gene No.	65561	Strand	-
Start	4278	End	5087
Name	OJ990819_11.9C17.C25.o3.tw	Method	TBLASTX:Wheat
Start	1864	End	2350
GI	none	Score	256

Exons	1864..2241, 1907..2350, 2296..2346		
Seq. No.	31665	Seq. ID	OJ990819_11.9C17.C25
Gene No.	65561	Strand	-
Start	4278	End	5087
Name	OJ990819_11.9C17.C25.o4.tm	Method	TBLASTX:Maize
Start	2045	End	2335
GI	none	Score	191
Exons	2045..2335, 2047..2334		
Seq. No.	31665	Seq. ID	OJ990819_11.9C17.C25
Gene No.	65561	Strand	-
Start	4278	End	5087
Name	OJ990819_11.9C17.C25.o7.tw	Method	TBLASTX:Wheat
Start	2461	End	2883
GI	none	Score	69
Exons	2461..2628, 2516..2629, 2674..2883, 2675..2827		
Seq. No.	31665	Seq. ID	OJ990819_11.9C17.C25
Gene No.	65561	Strand	-
Start	4278	End	5087
Name	OJ990819_11.9C17.C25.o6.tm	Method	TBLASTX:Maize
Start	2566	End	2919
GI	none	Score	188
Exons	2566..2919		
Seq. No.	31665	Seq. ID	OJ990819_11.9C17.C25
Gene No.	65561	Strand	-
Start	4278	End	5087
Name	OJ990819_11.9C17.C25.o5.tm	Method	TBLASTX:Maize
Start	3247	End	3552
GI	none	Score	92
Exons	3247..3552, 3422..3538		
Seq. No.	31665	Seq. ID	OJ990819_11.9C17.C25
Gene No.	65561	Strand	-
Start	4278	End	5087
Name	OJ990819_11.9C17.C25.o5.tw	Method	TBLASTX:Wheat
Start	3433	End	3795
GI	none	Score	151
Exons	3433..3795, 3434..3793		
Seq. No.	31665	Seq. ID	OJ990819_11.9C17.C25
Gene No.	65561	Strand	-
Start	4278	End	5087
Name	OJ990819_11.9C17.C25.o2.gs	Method	GENSCAN
Start	4278	End	5087
GI	none	Score	.94
Exons	4278..4781, 4926..5087		
Seq. No.	31666	Seq. ID	OJ990819_11.9C17.C26
Gene No.	65562	Strand	+
Start	1	End	91
Name	OJ990819_11.9C17.C26.o1.np	Method	AAT/NAP
Start	1	End	91
GI	6630696	Score	120
Exons	1..91		

GI Descrip.	(AP000969) ESTs D22114(C10364), AU076106(E20423) correspond to a region of the predicted gene.; Similar to retrovirus-related pol polyprotein from transposon Tnt 1-94. (P10978) [Oryza sativa]		
Seq. No.	31667	Seq. ID	OJ990819_11.9C17.C27
Gene No.	65563	Strand	+
Start	1	End	933
Name	OJ990819_11.9C17.C27.o1.np	Method	AAT/NAP
Start	1	End	933
GI	6041800	Score	58
Exons	1..61, 244..321, 686..933		
GI Descrip.	(AC009755) unknown protein [Arabidopsis thaliana] gi\|6513917\|gb\|AAF14821.1\|AC011664_3 (AC011664) unknown protein [Arabidopsis thaliana]		
Seq. No.	31667	Seq. ID	OJ990819_11.9C17.C27
Gene No.	65563	Strand	+
Start	1	End	933
Name	OJ990819_11.9C17.C27.o1.tm	Method	TBLASTX:Maize
Start	553	End	804
GI	none	Score	298
Exons	553..804, 554..802		
Seq. No.	31667	Seq. ID	OJ990819_11.9C17.C27
Gene No.	65563	Strand	+
Start	1	End	933
Name	OJ990819_11.9C17.C27.o1.gs	Method	GENSCAN
Start	555	End	917
GI	none	Score	.95
Exons	555..917		
Seq. No.	31668	Seq. ID	OJ990819_11.9C17.C28
Gene No.	65564	Strand	+
Start	195	End	329
Name	OJ990819_11.9C17.C28.o1.gs	Method	GENSCAN
Start	195	End	329
GI	none	Score	.44
Exons	195..329		
Seq. No.	31669	Seq. ID	OJ990819_11.9C17.C30
Gene No.	65565	Strand	+
Start	430	End	779
Name	OJ990819_11.9C17.C30.o1.gp	Method	AAT/GAP
Start	430	End	779
GI	uC-osflcyp079a11a1	Score	664
Exons	430..779		
GI Descrip.	'4176420/dbj\|BAA37167\| 2.0e-11 (AB008097) cytochrome P450 [Arabidopsis thaliana]'		
Seq. No.	31669	Seq. ID	OJ990819_11.9C17.C30
Gene No.	65566	Strand	-
Start	235	End	751
Name	OJ990819_11.9C17.C30.o1.gs	Method	GENSCAN
Start	235	End	751
GI	none	Score	.51
Exons	235..351, 638..751		

Seq. No.	31670	Seq. ID	OJ990819_11.9C17.C31
Gene No.	65567	Strand	+
Start	1	End	779
Name	OJ990819_11.9C17.C31.o1.np	Method	AAT/NAP
Start	1	End	779
GI	6705984	Score	324
Exons	1..494, 752..779		
GI Descrip.	(AB033235) gag-pol polyprotein [Oryza sativa]		

Seq. No.	31670	Seq. ID	OJ990819_11.9C17.C31
Gene No.	65567	Strand	+
Start	1	End	779
Name	OJ990819_11.9C17.C31.o1.ts	Method	TBLASTX:Soybean
Start	5	End	403
GI	none	Score	152
Exons	5..253, 92..253, 245..403, 262..366		

Seq. No.	31670	Seq. ID	OJ990819_11.9C17.C31
Gene No.	65567	Strand	+
Start	1	End	779
Name	OJ990819_11.9C17.C31.o1.tw	Method	TBLASTX:Wheat
Start	5	End	373
GI	none	Score	197
Exons	5..208, 7..207, 207..293, 232..369, 236..373		

Seq. No.	31670	Seq. ID	OJ990819_11.9C17.C31
Gene No.	65567	Strand	+
Start	1	End	779
Name	OJ990819_11.9C17.C31.o1.gs	Method	GENSCAN
Start	368	End	698
GI	none	Score	.46
Exons	368..698		

Seq. No.	31671	Seq. ID	OJ990819_11.9C17.C32
Gene No.	65568	Strand	-
Start	617	End	1692
Name	OJ990819_11.9C17.C32.o1.gs	Method	GENSCAN
Start	617	End	1692
GI	none	Score	.43
Exons	617..714, 1407..1692		

Seq. No.	31672	Seq. ID	OJ990819_11.9C17.C35
Gene No.	65569	Strand	+
Start	222	End	1041
Name	OJ990819_11.9C17.C35.o1.np	Method	AAT/NAP
Start	222	End	1041
GI	6587855	Score	71
Exons	222..488, 1022..1041		
GI Descrip.	(AC012680) putative AP2 domain transcriptional regulator, 5' partial [Arabidopsis thaliana]		

Seq. No.	31673	Seq. ID	OJ990819_11.9C17.C37
Gene No.	65570	Strand	+
Start	1	End	3344
Name	OJ990819_11.9C17.C37.o1.np	Method	AAT/NAP
Start	1	End	3314
GI	6714345	Score	1101

Exons	1..37, 138..253, 334..392, 1317..1417, 1589..1639, 1789..1943, 2075..2233, 2340..2415, 2878..2935, 3016..3314		
GI Descrip.	(AC016162) ARE1-like protein [Arabidopsis thaliana]		

Seq. No.	31673	Seq. ID	OJ990819_11.9C17.C37
Gene No.	65570	Strand	+
Start	1	End	3344
Name	OJ990819_11.9C17.C37.o1.ts	Method	TBLASTX:Soybean
Start	129	End	3328
GI	none	Score	176
Exons	129..257, 135..254, 136..255, 137..277, 335..415, 341..409, 1316..1420, 1328..1417, 1585..1641, 1586..1642, 1765..1908, 1773..1907, 1801..1908, 2096..2269, 2098..2241, 2330..2386, 2331..2390, 2878..2931, 3047..3328, 3049..3162, 3062..3271, 3063..3323		

Seq. No.	31673	Seq. ID	OJ990819_11.9C17.C37
Gene No.	65570	Strand	+
Start	1	End	3344
Name	OJ990819_11.9C17.C37.o1.tm	Method	TBLASTX:Maize
Start	135	End	3344
GI	none	Score	187
Exons	135..254, 136..255, 137..256, 331..393, 335..394, 335..415, 1311..1412, 1315..1413, 1316..1420, 1316..1417, 1586..1642, 1592..1642, 1593..1646, 1765..1908, 1788..1907, 1789..1908, 2096..2242, 2097..2240, 2098..2241, 2331..2390, 2337..2366, 2339..2389, 2389..2418, 2390..2416, 2390..2419, 2878..2934, 2999..3343, 3012..3344		

Seq. No.	31673	Seq. ID	OJ990819_11.9C17.C37
Gene No.	65570	Strand	+
Start	1	End	3344
Name	OJ990819_11.9C17.C37.o2.tc	Method	TBLASTX:Cress
Start	135	End	1417
GI	none	Score	172
Exons	135..254, 135..257, 136..255, 137..277, 333..410, 335..415, 1316..1417		

Seq. No.	31673	Seq. ID	OJ990819_11.9C17.C37
Gene No.	65570	Strand	+
Start	1	End	3344
Name	OJ990819_11.9C17.C37.o1.gs	Method	GENSCAN
Start	334	End	3317
GI	none	Score	95
Exons	334..392, 1317..1417, 1589..1639, 2099..2233, 2878..2935, 3016..3317		

Seq. No.	31673	Seq. ID	OJ990819_11.9C17.C37
Gene No.	65570	Strand	+
Start	1	End	3344
Name	OJ990819_11.9C17.C37.o1.gp	Method	AAT/GAP
Start	2077	End	3263
GI	LIB3434-013-P1-K1-H10	Score	949
Exons	2077..2233, 2340..2415, 2878..2935, 3016..3263		
GI Descrip.	'3811383 1.0e-19 (AF100956) Sacm21 [Mus musculus]'		

Seq. No.	31673	Seq. ID	OJ990819_11.9C17.C37

Gene No.	65570	Strand	+
Start	1	End	3344
Name	OJ990819_11.9C17.C37.o1.tc	Method	TBLASTX:Cress
Start	3059	End	3323
GI	none	Score	346
Exons	3059..3313, 3063..3323		

Seq. No.	31674	Seq. ID	OJ990819_11.9C17.C41
Gene No.	65571	Strand	+
Start	638	End	1257
Name	OJ990819_11.9C17.C41.o1.gs	Method	GENSCAN
Start	638	End	1257
GI	none	Score	.73
Exons	638..777, 1209..1257		

Seq. No.	31674	Seq. ID	OJ990819_11.9C17.C41
Gene No.	65572	Strand	-
Start	1	End	1305
Name	OJ990819_11.9C17.C41.o1.np	Method	AAT/NAP
Start	1	End	1305
GI	4755191	Score	900
Exons	1..1305		
GI Descrip.	(AC007018) putative non-LTR retroelement reverse transcriptase [Arabidopsis thaliana]		

Seq. No.	31674	Seq. ID	OJ990819_11.9C17.C41
Gene No.	65572	Strand	-
Start	1	End	1305
Name	OJ990819_11.9C17.C41.o1.tw	Method	TBLASTX:Wheat
Start	49	End	469
GI	none	Score	122
Exons	49..351, 119..289, 355..462, 389..469		

Seq. No.	31674	Seq. ID	OJ990819_11.9C17.C41
Gene No.	65572	Strand	-
Start	1	End	1305
Name	OJ990819_11.9C17.C41.o1.tm	Method	TBLASTX:Maize
Start	121	End	501
GI	none	Score	101
Exons	121..501, 149..454		

Seq. No.	31674	Seq. ID	OJ990819_11.9C17.C41
Gene No.	65572	Strand	-
Start	1	End	1305
Name	OJ990819_11.9C17.C41.o2.tw	Method	TBLASTX:Wheat
Start	791	End	1170
GI	none	Score	188
Exons	791..1102, 847..1128, 1120..1170		

Seq. No.	31674	Seq. ID	OJ990819_11.9C17.C41
Gene No.	65572	Strand	-
Start	1	End	1305
Name	OJ990819_11.9C17.C41.o1.ts	Method	TBLASTX:Soybean
Start	844	End	1107
GI	none	Score	182
Exons	844..1107		

Seq. No.	31674	Seq. ID	OJ990819_11.9C17.C41
Gene No.	65572	Strand	-
Start	1	End	1305
Name	OJ990819_11.9C17.C41.o2.tm	Method	TBLASTX:Maize
Start	847	End	1278
GI	none	Score	114
Exons	847..1095, 1120..1278		

Seq. No.	31674	Seq. ID	OJ990819_11.9C17.C41
Gene No.	65572	Strand	-
Start	1	End	1305
Name	OJ990819_11.9C17.C41.o3.tw	Method	TBLASTX:Wheat
Start	1171	End	1299
GI	none	Score	71
Exons	1171..1296, 1171..1299, 1172..1297		

Seq. No.	31675	Seq. ID	OJ990819_11.9C17.C46
Gene No.	65573	Strand	+
Start	550	End	768
Name	OJ990819_11.9C17.C46.o1.gp	Method	AAT/GAP
Start	550	End	768
GI	15664_1.R1084	Score	418
Exons	550..768		
GI Descrip.	'4680212/gb\|AAD27575.1\|AF114171_17 5.0e-10 (AF114171) hypothetical protein [Sorghum bicolor]'		

Seq. No.	31675	Seq. ID	OJ990819_11.9C17.C46
Gene No.	65574	Strand	-
Start	243	End	574
Name	OJ990819_11.9C17.C46.o1.gs	Method	GENSCAN
Start	243	End	574
GI	none	Score	.56
Exons	243..414, 513..574		

Seq. No.	31676	Seq. ID	OJ990819_11.9C17.C47
Gene No.	65575	Strand	+
Start	559	End	987
Name	OJ990819_11.9C17.C47.o1.gs	Method	GENSCAN
Start	559	End	987
GI	none	Score	.63
Exons	559..627, 841..987		

Seq. No.	31677	Seq. ID	OJ990819_11.9C17.C48
Gene No.	65576	Strand	+
Start	137	End	186
Name	OJ990819_11.9C17.C48.o1.gs	Method	GENSCAN
Start	137	End	186
GI	none	Score	.94
Exons	137..186		

Seq. No.	31678	Seq. ID	OJ990819_11.9C17.C49
Gene No.	65577	Strand	+
Start	1	End	446
Name	OJ990819_11.9C17.C49.o1.np	Method	AAT/NAP
Start	1	End	446
GI	4539357	Score	145
Exons	1..446		

GI Descrip. (AL049525) putative protein [Arabidopsis thaliana]

Seq. No.	31679	Seq. ID	OJ990819_11.9C17.C52
Gene No.	65578	Strand	+
Start	386	End	400
Name	OJ990819_11.9C17.C52.o1.gs	Method	GENSCAN
Start	386	End	400
GI	none	Score	.57
Exons	386..400		

Seq. No.	31680	Seq. ID	OJ990819_11.9C17.C55
Gene No.	65579	Strand	-
Start	96	End	341
Name	OJ990819_11.9C17.C55.o1.gs	Method	GENSCAN
Start	96	End	341
GI	none	Score	.4
Exons	96..341		

Seq. No.	31681	Seq. ID	OJ990819_11.9C17.C57
Gene No.	65580	Strand	-
Start	198	End	533
Name	OJ990819_11.9C17.C57.o1.np	Method	AAT/NAP
Start	198	End	533
GI	5852084	Score	88
Exons	198..285, 503..533		
GI Descrip.	(AL117264) zwh0007.1 [Oryza sativa]		

Seq. No.	31682	Seq. ID	OJ990819_11.9C17.C58
Gene No.	65581	Strand	+
Start	468	End	599
Name	OJ990819_11.9C17.C58.o1.gp	Method	AAT/GAP
Start	468	End	599
GI	15664_1.R1084	Score	191
Exons	468..599		
GI Descrip.	'4680212/gb\|AAD27575.1\|AF114171_17 5.0e-10 (AF114171) hypothetical protein [Sorghum bicolor]'		

Seq. No.	31683	Seq. ID	OJ990819_11.9C17.C59
Gene No.	65582	Strand	+
Start	407	End	506
Name	OJ990819_11.9C17.C59.o1.gs	Method	GENSCAN
Start	407	End	506
GI	none	Score	.68
Exons	407..506		

Seq. No.	31684	Seq. ID	OJ990319_06.9C10.C1
Gene No.	65583	Strand	+
Start	289	End	625
Name	OJ990319_06.9C10.C1.o1.gs	Method	GENSCAN
Start	289	End	625
GI	none	Score	.4
Exons	289..353, 572..625		

Seq. No.	31685	Seq. ID	OJ990319_06.9C10.C2
Gene No.	65584	Strand	-
Start	218	End	463
Name	OJ990319_06.9C10.C2.o1.gs	Method	GENSCAN

Start	218	End	463
GI	none	Score	.65
Exons	218..463		

Seq. No.	31686	Seq. ID	OJ990319_06.9C10.C3
Gene No.	65585	Strand	+
Start	31	End	390
Name	OJ990319_06.9C10.C3.o1.gs	Method	GENSCAN
Start	31	End	390
GI	none	Score	.44
Exons	31..390		

Seq. No.	31686	Seq. ID	OJ990319_06.9C10.C3
Gene No.	65586	Strand	+
Start	370	End	648
Name	OJ990319_06.9C10.C3.o1.gp	Method	AAT/GAP
Start	370	End	648
GI	none	Score	451
Exons	370..648		

Seq. No.	31687	Seq. ID	OJ990319_06.9C10.C5
Gene No.	65587	Strand	-
Start	592	End	862
Name	OJ990319_06.9C10.C5.o1.gs	Method	GENSCAN
Start	592	End	861
GI	none	Score	.98
Exons	592..861		

Seq. No.	31687	Seq. ID	OJ990319_06.9C10.C5
Gene No.	65587	Strand	-
Start	592	End	862
Name	OJ990319_06.9C10.C5.o1.tc	Method	TBLASTX:Cress
Start	614	End	862
GI	none	Score	88
Exons	614..862, 637..813		

Seq. No.	31687	Seq. ID	OJ990319_06.9C10.C5
Gene No.	65587	Strand	-
Start	592	End	862
Name	OJ990319_06.9C10.C5.o1.np	Method	AAT/NAP
Start	633	End	862
GI	2505877	Score	238
Exons	633..862		
GI Descrip.	(Y12776) dehydrogenase [Arabidopsis thaliana]		

Seq. No.	31688	Seq. ID	OJ990319_06.9C10.C6
Gene No.	65588	Strand	-
Start	31	End	419
Name	OJ990319_06.9C10.C6.o1.gs	Method	GENSCAN
Start	31	End	419
GI	none	Score	.56
Exons	31..287, 365..419		

Seq. No.	31689	Seq. ID	OJ990319_06.9C10.C7
Gene No.	65589	Strand	+
Start	104	End	3274
Name	OJ990319_06.9C10.C7.o1.gp	Method	AAT/GAP

Start	104	End	636
GI	none	Score	753
Exons	104..346, 459..636		

Seq. No.	31689	Seq. ID	OJ990319_06.9C10.C7
Gene No.	65589	Strand	+
Start	104	End	3274
Name	OJ990319_06.9C10.C7.o1.np	Method	AAT/NAP
Start	246	End	3274
GI	6850840	Score	1224
Exons	246..345, 519..761, 1915..2035, 2148..2322, 2418..2488, 2587..3274		
GI Descrip.	(AL132962) putative protein [Arabidopsis thaliana]		

Seq. No.	31689	Seq. ID	OJ990319_06.9C10.C7
Gene No.	65589	Strand	+
Start	104	End	3274
Name	OJ990319_06.9C10.C7.o1.gs	Method	GENSCAN
Start	323	End	3236
GI	none	Score	.7
Exons	323..346, 519..761, 1915..2035, 2148..2322, 2328..2488, 2587..2878, 2893..3236		

Seq. No.	31689	Seq. ID	OJ990319_06.9C10.C7
Gene No.	65589	Strand	+
Start	104	End	3274
Name	OJ990319_06.9C10.C7.o2.gp	Method	AAT/GAP
Start	1887	End	2322
GI	uC-osflcyp086g06b1	Score	552
Exons	1887..2035, 2148..2322		
GI Descrip.	'3738338 9.0e-52 (AC005170) putative polygalacturonase [Arabidopsis thaliana]'		

Seq. No.	31689	Seq. ID	OJ990319_06.9C10.C7
Gene No.	65589	Strand	+
Start	104	End	3274
Name	OJ990319_06.9C10.C7.o3.gp	Method	AAT/GAP
Start	1951	End	2514
GI	uC-osflcyp086g06b1	Score	610
Exons	1951..2035, 2148..2322, 2418..2514		
GI Descrip.	'3738338 9.0e-52 (AC005170) putative polygalacturonase [Arabidopsis thaliana]'		

Seq. No.	31689	Seq. ID	OJ990319_06.9C10.C7
Gene No.	65590	Strand	-
Start	2968	End	3361
Name	OJ990319_06.9C10.C7.o1.ts	Method	TBLASTX:Soybean
Start	537	End	3178
GI	none	Score	239
Exons	537..767, 569..610, 641..766, 763..798, 1891..2037, 1894..2037, 2141..2317, 2147..2326, 2404..2487, 2415..2486, 2585..2872, 2586..2876, 2849..3079, 2890..3174, 2891..3178		

Seq. No.	31689	Seq. ID	OJ990319_06.9C10.C7
Gene No.	65590	Strand	-
Start	2968	End	3361
Name	OJ990319_06.9C10.C7.o3.tc	Method	TBLASTX:Cress

Start	537	End	761
GI	none	Score	238
Exons	537..761, 551..754		

Seq. No.	31689	Seq. ID	OJ990319_06.9C10.C7
Gene No.	65590	Strand	-
Start	2968	End	3361
Name	OJ990319_06.9C10.C7.o1.tm	Method	TBLASTX:Maize
Start	629	End	3091
GI	none	Score	106
Exons	629..757, 642..758, 1927..2037, 2141..2323, 2147..2326, 2404..2514, 2439..2486, 2585..2722, 2586..2903, 2747..2797, 2831..2875, 2891..3091, 2920..3087		

Seq. No.	31689	Seq. ID	OJ990319_06.9C10.C7
Gene No.	65590	Strand	-
Start	2968	End	3361
Name	OJ990319_06.9C10.C7.o2.tc	Method	TBLASTX:Cress
Start	1908	End	2487
GI	none	Score	64
Exons	1908..2024, 1933..2031, 2144..2323, 2404..2487		

Seq. No.	31689	Seq. ID	OJ990319_06.9C10.C7
Gene No.	65590	Strand	-
Start	2968	End	3361
Name	OJ990319_06.9C10.C7.o1.tw	Method	TBLASTX:Wheat
Start	1927	End	2457
GI	none	Score	136
Exons	1927..2037, 2125..2196, 2141..2320, 2419..2457		

Seq. No.	31689	Seq. ID	OJ990319_06.9C10.C7
Gene No.	65590	Strand	-
Start	2968	End	3361
Name	OJ990319_06.9C10.C7.o1.tc	Method	TBLASTX:Cress
Start	2894	End	3186
GI	none	Score	350
Exons	2894..3178, 2894..3151, 2959..3186		

Seq. No.	31689	Seq. ID	OJ990319_06.9C10.C7
Gene No.	65590	Strand	-
Start	2968	End	3361
Name	OJ990319_06.9C10.C7.o4.gp	Method	AAT/GAP
Start	2968	End	3361
GI	37628_1.R1084	Score	713
Exons	2968..3361		
GI Descrip.	'3738338 6.0e-11 (AC005170) putative polygalacturonase [Arabidopsis thaliana]'		

Seq. No.	31689	Seq. ID	OJ990319_06.9C10.C7
Gene No.	65590	Strand	-
Start	2968	End	3361
Name	OJ990319_06.9C10.C7.o2.tm	Method	TBLASTX:Maize
Start	3092	End	3270
GI	none	Score	274
Exons	3092..3268, 3100..3267, 3124..3270		

Seq. No.	31690	Seq. ID	OJ990319_06.9C10.C8

Gene No.	65591	Strand	-
Start	1	End	161
Name	OJ990319_06.9C10.C8.o1.gp	Method	AAT/GAP
Start	1	End	161
GI	37628_1.R1084	Score	290
Exons	1..161		
GI Descrip.	'3738338 6.0e-11 (AC005170) putative polygalacturonase [Arabidopsis thaliana]'		

Seq. No.	31690	Seq. ID	OJ990319_06.9C10.C8
Gene No.	65592	Strand	-
Start	225	End	1302
Name	OJ990319_06.9C10.C8.o2.gp	Method	AAT/GAP
Start	225	End	1302
GI	904_1.R1084	Score	1326
Exons	225..716, 1107..1302		
GI Descrip.	'3777600 1.0e-131 (AF095708) 50S ribosomal protein L5 [Oryza sativa]'		

Seq. No.	31690	Seq. ID	OJ990319_06.9C10.C8
Gene No.	65592	Strand	-
Start	225	End	1302
Name	OJ990319_06.9C10.C8.o1.tc	Method	TBLASTX:Cress
Start	379	End	1301
GI	none	Score	42
Exons	379..438, 381..452, 462..716, 532..717, 1089..1301, 1102..1299		

Seq. No.	31690	Seq. ID	OJ990319_06.9C10.C8
Gene No.	65592	Strand	-
Start	225	End	1302
Name	OJ990319_06.9C10.C8.o1.gs	Method	GENSCAN
Start	381	End	1229
GI	none	Score	.83
Exons	381..716, 1107..1229		

Seq. No.	31690	Seq. ID	OJ990319_06.9C10.C8
Gene No.	65592	Strand	-
Start	225	End	1302
Name	OJ990319_06.9C10.C8.o1.np	Method	AAT/NAP
Start	384	End	1302
GI	3777600	Score	874
Exons	384..716, 1107..1302		
GI Descrip.	(AF095708) 50S ribosomal protein L5 [Oryza sativa]		

Seq. No.	31690	Seq. ID	OJ990319_06.9C10.C8
Gene No.	65592	Strand	-
Start	225	End	1302
Name	OJ990319_06.9C10.C8.o1.tm	Method	TBLASTX:Maize
Start	387	End	1266
GI	none	Score	392
Exons	387..719, 391..714, 396..716, 1075..1266, 1090..1257, 1104..1265		

Seq. No.	31690	Seq. ID	OJ990319_06.9C10.C8
Gene No.	65592	Strand	-
Start	225	End	1302
Name	OJ990319_06.9C10.C8.o1.ts	Method	TBLASTX:Soybean
Start	387	End	1302

GI	none	Score	180
Exons	387..716, 388..702, 408..719, 1075..1302, 1089..1301		

Seq. No.	31691	Seq. ID	OJ990319_06.9C10.C9
Gene No.	65593	Strand	+
Start	1801	End	2147
Name	OJ990319_06.9C10.C9.o2.gp	Method	AAT/GAP
Start	1801	End	2147
GI	none	Score	633
Exons	1801..2147		

Seq. No.	31691	Seq. ID	OJ990319_06.9C10.C9
Gene No.	65594	Strand	-
Start	1	End	2971
Name	OJ990319_06.9C10.C9.o1.np	Method	AAT/NAP
Start	1	End	688
GI	3777600	Score	801
Exons	1..249, 383..688		
GI Descrip.	(AF095708) 50S ribosomal protein L5 [Oryza sativa]		

Seq. No.	31691	Seq. ID	OJ990319_06.9C10.C9
Gene No.	65594	Strand	-
Start	1	End	2971
Name	OJ990319_06.9C10.C9.o2.ts	Method	TBLASTX:Soybean
Start	17	End	500
GI	none	Score	169
Exons	17..250, 31..252, 220..252, 380..475, 380..499, 381..500		

Seq. No.	31691	Seq. ID	OJ990319_06.9C10.C9
Gene No.	65594	Strand	-
Start	1	End	2971
Name	OJ990319_06.9C10.C9.o1.tc	Method	TBLASTX:Cress
Start	31	End	500
GI	none	Score	161
Exons	31..273, 44..250, 160..261, 380..499, 381..500		

Seq. No.	31691	Seq. ID	OJ990319_06.9C10.C9
Gene No.	65594	Strand	-
Start	1	End	2971
Name	OJ990319_06.9C10.C9.o1.gp	Method	AAT/GAP
Start	47	End	701
GI	904_1.R1084	Score	953
Exons	47..249, 383..701		
GI Descrip.	'3777600 1.0e-131 (AF095708) 50S ribosomal protein L5 [Oryza sativa]'		

Seq. No.	31691	Seq. ID	OJ990319_06.9C10.C9
Gene No.	65594	Strand	-
Start	1	End	2971
Name	OJ990319_06.9C10.C9.o1.gs	Method	GENSCAN
Start	49	End	2897
GI	none	Score	.46
Exons	49..249, 383..919, 2428..2484, 2608..2733, 2853..2897		

Seq. No.	31691	Seq. ID	OJ990319_06.9C10.C9
Gene No.	65594	Strand	-
Start	1	End	2971

Name	OJ990319_06.9C10.C9.o2.tm	Method	TBLASTX:Maize
Start	178	End	686
GI	none	Score	83
Exons	178..252, 179..250, 211..252, 371..469, 380..499, 381..500, 381..536, 626..685, 630..686		

Seq. No.	31691	Seq. ID	OJ990319_06.9C10.C9
Gene No.	65594	Strand	-
Start	1	End	2971
Name	OJ990319_06.9C10.C9.o2.np	Method	AAT/NAP
Start	2051	End	2971
GI	5870600	Score	321
Exons	2051..2128, 2428..2484, 2608..2971		
GI Descrip.	(Y14810) beta-carotene hydroxylase [Lycopersicon esculentum]		

Seq. No.	31691	Seq. ID	OJ990319_06.9C10.C9
Gene No.	65594	Strand	-
Start	1	End	2971
Name	OJ990319_06.9C10.C9.o1.ts	Method	TBLASTX:Soybean
Start	2423	End	2734
GI	none	Score	72
Exons	2423..2473, 2428..2487, 2428..2487, 2605..2733, 2606..2734		

Seq. No.	31691	Seq. ID	OJ990319_06.9C10.C9
Gene No.	65594	Strand	-
Start	1	End	2971
Name	OJ990319_06.9C10.C9.o1.tm	Method	TBLASTX:Maize
Start	2426	End	2734
GI	none	Score	79
Exons	2426..2485, 2428..2487, 2428..2487, 2605..2733, 2608..2730, 2612..2734		

Seq. No.	31691	Seq. ID	OJ990319_06.9C10.C9
Gene No.	65594	Strand	-
Start	1	End	2971
Name	OJ990319_06.9C10.C9.o2.tc	Method	TBLASTX:Cress
Start	2426	End	2734
GI	none	Score	88
Exons	2426..2482, 2426..2482, 2427..2483, 2428..2487, 2605..2733, 2606..2734		

Seq. No.	31692	Seq. ID	OJ990319_06.9C10.C10
Gene No.	65595	Strand	-
Start	1	End	1278
Name	OJ990319_06.9C10.C10.o1.np	Method	AAT/NAP
Start	1	End	1278
GI	5870600	Score	273
Exons	1..68, 192..317, 1251..1278		
GI Descrip.	(Y14810) beta-carotene hydroxylase [Lycopersicon esculentum]		

Seq. No.	31692	Seq. ID	OJ990319_06.9C10.C10
Gene No.	65595	Strand	-
Start	1	End	1278
Name	OJ990319_06.9C10.C10.o1.tm	Method	TBLASTX:Maize
Start	5	End	318
GI	none	Score	72
Exons	5..94, 12..71, 189..317, 192..314, 196..318, 280..318		

Seq. No.	31692	Seq. ID	OJ990319_06.9C10.C10
Gene No.	65595	Strand	-
Start	1	End	1278
Name	OJ990319_06.9C10.C10.o1.ts	Method	TBLASTX:Soybean
Start	7	End	318
GI	none	Score	63
Exons	7..57, 12..71, 189..317, 190..318		

Seq. No.	31692	Seq. ID	OJ990319_06.9C10.C10
Gene No.	65595	Strand	-
Start	1	End	1278
Name	OJ990319_06.9C10.C10.o1.tc	Method	TBLASTX:Cress
Start	10	End	318
GI	none	Score	79
Exons	10..66, 10..66, 11..70, 11..67, 12..71, 189..317, 190..318		

Seq. No.	31692	Seq. ID	OJ990319_06.9C10.C10
Gene No.	65595	Strand	-
Start	1	End	1278
Name	OJ990319_06.9C10.C10.o1.gs	Method	GENSCAN
Start	12	End	481
GI	none	Score	.97
Exons	12..68, 192..317, 437..481		

Seq. No.	31693	Seq. ID	OJ990319_06.9C10.C11
Gene No.	65596	Strand	+
Start	921	End	9803
Name	OJ990319_06.9C10.C11.o2.gs	Method	GENSCAN
Start	921	End	9604
GI	none	Score	.71
Exons	921..1050, 1086..1168, 1675..2031, 2261..2436, 6233..6365, 6822..6906, 7013..7092, 7286..7413, 7477..7564, 7702..7792, 8227..8396, 8666..8819, 8858..8952, 9041..9157, 9438..9490, 9543..9604		

Seq. No.	31693	Seq. ID	OJ990319_06.9C10.C11
Gene No.	65596	Strand	+
Start	921	End	9803
Name	OJ990319_06.9C10.C11.o1.np	Method	AAT/NAP
Start	6288	End	9500
GI	6692106	Score	590
Exons	6288..6365, 6822..6906, 7013..7179, 7314..7413, 7498..7571, 7730..7770, 8177..8400, 8637..8952, 9035..9157, 9438..9500		
GI Descrip.	(AC007764) F22C12.25 [Arabidopsis thaliana]		

Seq. No.	31693	Seq. ID	OJ990319_06.9C10.C11
Gene No.	65596	Strand	+
Start	921	End	9803
Name	OJ990319_06.9C10.C11.o1.gp	Method	AAT/GAP
Start	7682	End	9803
GI	4681_1.R1084	Score	1925
Exons	7682..7792, 8227..8396, 8666..8952, 9041..9157, 9438..9803		
GI Descrip.	'2632252/emb\|CAA73067\| 4.0e-18 (Y12464) serine/threonine kinase [Sorghum bicolor]'		

Seq. No.	31693	Seq. ID	OJ990319_06.9C10.C11

Gene No.	65597	Strand	-
Start	79	End	229
Name	OJ990319_06.9C10.C11.o1.gs	Method	GENSCAN
Start	79	End	229
GI	none	Score	.81
Exons	79..229		

Seq. No.	31693	Seq. ID	OJ990319_06.9C10.C11
Gene No.	65598	Strand	
Start	6257	End	9686
Name	OJ990319_06.9C10.C11.o1.tm	Method	TBLASTX:Maize
Start	6257	End	9686
GI	none	Score	128
Exons	6257..6373, 6288..6365, 6815..6904, 6820..6921, 6825..6926, 6849..6911, 7008..7091, 7010..7096, 7012..7092, 7290..7412, 7312..7413, 7334..7414, 7488..7562, 7490..7582, 7496..7567, 7678..7791, 7702..7788, 7706..7804, 8207..8320, 8223..8321, 8307..8396, 8320..8406, 8327..8398, 8642..8764, 8657..8788, 8664..8825, 8665..8787, 8837..8923, 8880..8951, 8906..8953, 8912..8953, 9002..9145, 9038..9163, 9040..9159, 9417..9488, 9419..9493, 9429..9494, 9435..9494, 9443..9493, 9585..9686		

Seq. No.	31694	Seq. ID	OJ990319_06.9C10.C12
Gene No.	65599	Strand	+
Start	1	End	2174
Name	OJ990319_06.9C10.C12.o1.np	Method	AAT/NAP
Start	1	End	2158
GI	3702338	Score	704
Exons	1..35, 101..162, 267..344, 491..537, 619..659, 966..1050, 1129..1243, 1348..1470, 1555..1655, 2032..2158		
GI Descrip.	(AC005397) unknown protein [Arabidopsis thaliana]		

Seq. No.	31694	Seq. ID	OJ990319_06.9C10.C12
Gene No.	65599	Strand	+
Start	1	End	2174
Name	OJ990319_06.9C10.C12.o1.gp	Method	AAT/GAP
Start	87	End	668
GI	LIB3474-010-P1-K1-H10	Score	538
Exons	87..162, 267..344, 491..668		
GI Descrip.	'3702338 2.0e-15 (AC005397) unknown protein [Arabidopsis thaliana]'		

Seq. No.	31694	Seq. ID	OJ990319_06.9C10.C12
Gene No.	65599	Strand	+
Start	1	End	2174
Name	OJ990319_06.9C10.C12.o1.gs	Method	GENSCAN
Start	189	End	2161
GI	none	Score	.79
Exons	189..344, 1348..1470, 1555..1655, 2032..2161		

Seq. No.	31694	Seq. ID	OJ990319_06.9C10.C12
Gene No.	65599	Strand	+
Start	1	End	2174
Name	OJ990319_06.9C10.C12.o2.gp	Method	AAT/GAP
Start	1370	End	2174
GI	24037_1.R1084	Score	628
Exons	1370..1470, 1555..1655, 2032..2174		

GI Descrip.	'3702338 1.0e-38 (AC005397) unknown protein [Arabidopsis thaliana]'		
Seq. No.	31694	Seq. ID	OJ990319_06.9C10.C12
Gene No.	65600	Strand	-
Start	4325	End	5148
Name	OJ990319_06.9C10.C12.o1.ts	Method	TBLASTX:Soybean
Start	1019	End	1634
GI	none	Score	66
Exons	1019..1072, 1108..1209, 1108..1239, 1130..1243, 1351..1473, 1356..1472, 1393..1473, 1554..1634, 1555..1632		
Seq. No.	31694	Seq. ID	OJ990319_06.9C10.C12
Gene No.	65600	Strand	-
Start	4325	End	5148
Name	OJ990319_06.9C10.C12.o1.tm	Method	TBLASTX:Maize
Start	1095	End	1632
GI	none	Score	198
Exons	1095..1244, 1103..1246, 1120..1245, 1338..1472, 1345..1473, 1347..1472, 1348..1473, 1552..1599, 1554..1631, 1554..1631, 1555..1632		
Seq. No.	31694	Seq. ID	OJ990319_06.9C10.C12
Gene No.	65600	Strand	-
Start	4325	End	5148
Name	OJ990319_06.9C10.C12.o3.gp	Method	AAT/GAP
Start	3633	End	3877
GI	8022_1.R1084	Score	322
Exons	3633..3877		
GI Descrip.	'5091496/dbj\|AB023482.2\|AB023482 3.0e-37 Oryza sativa genomic DNA, chromosome 6, clone P0680A03, complete sequence'		
Seq. No.	31694	Seq. ID	OJ990319_06.9C10.C12
Gene No.	65600	Strand	-
Start	4325	End	5148
Name	OJ990319_06.9C10.C12.o2.gs	Method	GENSCAN
Start	4325	End	5148
GI	none	Score	.64
Exons	4325..4539, 4685..4950, 5012..5148		
Seq. No.	31695	Seq. ID	OJ990319_06.9C10.C14
Gene No.	65601	Strand	+
Start	681	End	5381
Name	OJ990319_06.9C10.C14.o1.gs	Method	GENSCAN
Start	681	End	5381
GI	none	Score	.87
Exons	681..812, 1260..2029, 2766..2870, 2962..3084, 3920..4090, 4175..4304, 4384..4593, 4687..4775, 5273..5381		
Seq. No.	31695	Seq. ID	OJ990319_06.9C10.C14
Gene No.	65601	Strand	+
Start	681	End	5381
Name	OJ990319_06.9C10.C14.o2.np	Method	AAT/NAP
Start	1353	End	4708
GI	2505674	Score	1336
Exons	1353..1521, 1635..2029, 2766..2870, 2962..3084, 3920..4090, 4175..4304, 4384..4708		

GI Descrip. (Y12776) putative kinase [Arabidopsis thaliana]

Seq. No.	31695	Seq. ID	OJ990319_06.9C10.C14
Gene No.	65601	Strand	+
Start	681	End	5381
Name	OJ990319_06.9C10.C14.o1.gp	Method	AAT/GAP
Start	2991	End	4501
GI	20801_1.R1084	Score	933
Exons	2991..3084, 3920..4090, 4175..4304, 4384..4501		
GI Descrip.	'2505874/emb\|CAA73303\| 1.0e-75 (Y12776) putative kinase [Arabidopsis thaliana]'		

Seq. No.	31695	Seq. ID	OJ990319_06.9C10.C14
Gene No.	65602	Strand	-
Start	727	End	886
Name	OJ990319_06.9C10.C14.o1.np	Method	AAT/NAP
Start	727	End	886
GI	5852172	Score	89
Exons	727..886		
GI Descrip.	(AL117265) zhb0002.1 [Oryza sativa]		

Seq. No.	31695	Seq. ID	OJ990319_06.9C10.C14
Gene No.	65603	Strand	-
Start	6226	End	11344
Name	OJ990319_06.9C10.C14.o3.tc	Method	TBLASTX:Cress
Start	1784	End	2036
GI	none	Score	268
Exons	1784..1882, 1824..2030, 1878..2036		

Seq. No.	31695	Seq. ID	OJ990319_06.9C10.C14
Gene No.	65603	Strand	-
Start	6226	End	11344
Name	OJ990319_06.9C10.C14.o2.tm	Method	TBLASTX:Maize
Start	1796	End	2871
GI	none	Score	56
Exons	1796..1843, 1809..1844, 1850..2023, 1856..1891, 1857..2030, 1872..2039, 1909..2040, 2763..2870, 2764..2871, 2764..2871		

Seq. No.	31695	Seq. ID	OJ990319_06.9C10.C14
Gene No.	65603	Strand	-
Start	6226	End	11344
Name	OJ990319_06.9C10.C14.o2.ts	Method	TBLASTX:Soybean
Start	1857	End	2027
GI	none	Score	223
Exons	1857..2027		

Seq. No.	31695	Seq. ID	OJ990319_06.9C10.C14
Gene No.	65603	Strand	-
Start	6226	End	11344
Name	OJ990319_06.9C10.C14.o1.ts	Method	TBLASTX:Soybean
Start	2731	End	4584
GI	none	Score	192
Exons	2731..2871, 2763..2870, 2957..3076, 2958..3077, 2960..3100, 3921..4097, 3921..4088, 3922..4125, 3947..4096, 4173..4256, 4175..4309, 4176..4307, 4372..4551, 4381..4551, 4528..4584		

Seq. No. 31695 Seq. ID OJ990319_06.9C10.C14

Gene No.	65603	Strand	-
Start	6226	End	11344
Name	OJ990319_06.9C10.C14.o2.tc	Method	TBLASTX:Cress
Start	2763	End	4097
GI	none	Score	181
Exons	2763..2864, 2764..2871, 2957..3082, 2958..3047, 2960..3100, 3921..4097, 3947..4096		

Seq. No.	31695	Seq. ID	OJ990319_06.9C10.C14
Gene No.	65603	Strand	-
Start	6226	End	11344
Name	OJ990319_06.9C10.C14.o1.tm	Method	TBLASTX:Maize
Start	2966	End	4878
GI	none	Score	217
Exons	2966..3100, 2966..3100, 3918..4025, 3919..4032, 3921..4043, 3947..4072, 4022..4093, 4022..4096, 4029..4097, 4176..4307, 4176..4307, 4177..4308, 4178..4309, 4381..4593, 4381..4578, 4445..4612, 4687..4707, 4710..4772, 4711..4779, 4813..4878, 4814..4858		

Seq. No.	31695	Seq. ID	OJ990319_06.9C10.C14
Gene No.	65603	Strand	-
Start	6226	End	11344
Name	OJ990319_06.9C10.C14.o1.tw	Method	TBLASTX:Wheat
Start	3921	End	4307
GI	none	Score	175
Exons	3921..4097, 3927..4025, 3947..4090, 4176..4307, 4184..4279		

Seq. No.	31695	Seq. ID	OJ990319_06.9C10.C14
Gene No.	65603	Strand	-
Start	6226	End	11344
Name	OJ990319_06.9C10.C14.o1.tc	Method	TBLASTX:Cress
Start	4187	End	4593
GI	none	Score	164
Exons	4187..4303, 4188..4304, 4381..4593, 4485..4547		

Seq. No.	31695	Seq. ID	OJ990319_06.9C10.C14
Gene No.	65603	Strand	-
Start	6226	End	11344
Name	OJ990319_06.9C10.C14.o2.gs	Method	GENSCAN
Start	6226	End	11344
GI	none	Score	.83
Exons	6226..6397, 6552..6641, 6872..7074, 7723..7784, 8915..8945, 9822..9879, 10450..10640, 11198..11344		

Seq. No.	31695	Seq. ID	OJ990319_06.9C10.C14
Gene No.	65603	Strand	-
Start	6226	End	11344
Name	OJ990319_06.9C10.C14.o2.gp	Method	AAT/GAP
Start	10157	End	10604
GI	uC-osflcyp173b03b1	Score	884
Exons	10157..10604		
GI Descrip.	'4263821/gb\|AAD15464\| 2.0e-16 (AC006067) hypothetical protein [Arabidopsis thaliana]'		

Seq. No.	31696	Seq. ID	OJ990319_06.9C10.C15
Gene No.	65604	Strand	-

Start	195	End	718
Name	OJ990319_06.9C10.C15.o1.gs	Method	GENSCAN
Start	195	End	718
GI	none	Score	.68
Exons	195..439, 505..718		

Seq. No.	31697	Seq. ID	OJ990319_06.9C10.C16
Gene No.	65605	Strand	+
Start	1156	End	1245
Name	OJ990319_06.9C10.C16.o1.gs	Method	GENSCAN
Start	1156	End	1245
GI	none	Score	.88
Exons	1156..1245		

Seq. No.	31698	Seq. ID	OJ990319_06.9C10.C17
Gene No.	65606	Strand	+
Start	696	End	4101
Name	OJ990319_06.9C10.C17.o1.gs	Method	GENSCAN
Start	696	End	3792
GI	none	Score	.9
Exons	696..790, 896..954, 994..1115, 1165..1287, 1378..1491, 2175..2261, 2635..2774, 2848..2935, 3720..3792		

Seq. No.	31698	Seq. ID	OJ990319_06.9C10.C17
Gene No.	65606	Strand	+
Start	696	End	4101
Name	OJ990319_06.9C10.C17.o1.gp	Method	AAT/GAP
Start	708	End	1127
GI	3061057	Score	537
Exons	708..954, 1039..1127		
GI Descrip.	4263821/gb\|AAD15464\| 2.0e-16 (AC006067) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	31698	Seq. ID	OJ990319_06.9C10.C17
Gene No.	65606	Strand	+
Start	696	End	4101
Name	OJ990319_06.9C10.C17.o2.tm	Method	TBLASTX:Maize
Start	767	End	1407
GI	none	Score	86
Exons	767..877, 794..877, 848..940, 855..953, 1013..1114, 1053..1115, 1188..1283, 1189..1290, 1363..1407		

Seq. No.	31698	Seq. ID	OJ990319_06.9C10.C17
Gene No.	65606	Strand	+
Start	696	End	4101
Name	OJ990319_06.9C10.C17.o2.tc	Method	TBLASTX:Cress
Start	775	End	1115
GI	none	Score	93
Exons	775..873, 776..877, 854..958, 855..956, 1053..1088, 1089..1115		

Seq. No.	31698	Seq. ID	OJ990319_06.9C10.C17
Gene No.	65606	Strand	+
Start	696	End	4101
Name	OJ990319_06.9C10.C17.o1.np	Method	AAT/NAP
Start	776	End	4101
GI	4263821	Score	631
Exons	776..954, 1018..1115, 1204..1287, 1378..1526, 2635..2774,		

	2848..2935, 3720..3792, 4054..4101		
GI Descrip.	(AC006067) hypothetical protein [Arabidopsis thaliana]		
Seq. No.	31698	Seq. ID	OJ990319_06.9C10.C17
Gene No.	65606	Strand	+
Start	696	End	4101
Name	OJ990319_06.9C10.C17.o1.ts	Method	TBLASTX:Soybean
Start	776	End	3793
GI	none	Score	90
Exons	776..877, 776..877, 854..934, 855..953, 1022..1114, 1053..1115, 1188..1319, 1189..1323, 1347..1490, 1363..1494, 2116..2136, 2163..2267, 2174..2266, 2620..2772, 2624..2755, 2635..2772, 2804..2938, 2840..2935, 3720..3767, 3767..3793		
Seq. No.	31698	Seq. ID	OJ990319_06.9C10.C17
Gene No.	65606	Strand	+
Start	696	End	4101
Name	OJ990319_06.9C10.C17.o1.tc	Method	TBLASTX:Cress
Start	1401	End	2938
GI	none	Score	102
Exons	1401..1490, 1402..1494, 2159..2266, 2163..2267, 2630..2734, 2632..2778, 2635..2772, 2777..2938, 2842..2937, 2843..2938		
Seq. No.	31698	Seq. ID	OJ990319_06.9C10.C17
Gene No.	65606	Strand	+
Start	696	End	4101
Name	OJ990319_06.9C10.C17.o1.tm	Method	TBLASTX:Maize
Start	2163	End	3793
GI	none	Score	134
Exons	2163..2267, 2172..2261, 2173..2262, 2174..2266, 2632..2772, 2633..2791, 2634..2771, 2635..2775, 2804..2938, 2842..2937, 2849..2938, 2850..2939, 2851..2940, 3677..3763, 3718..3768, 3720..3785, 3758..3793, 3767..3793		
Seq. No.	31698	Seq. ID	OJ990319_06.9C10.C17
Gene No.	65606	Strand	+
Start	696	End	4101
Name	OJ990319_06.9C10.C17.o1.tw	Method	TBLASTX:Wheat
Start	2710	End	2938
GI	none	Score	111
Exons	2710..2805, 2710..2790, 2787..2936, 2816..2938, 2821..2937		
Seq. No.	31699	Seq. ID	OJ990319_06.9C10.C18
Gene No.	65607	Strand	+
Start	1017	End	3171
Name	OJ990319_06.9C10.C18.o1.gp	Method	AAT/GAP
Start	1017	End	1410
GI	LIB3432-012-P1-K1-G5	Score	552
Exons	1017..1215, 1305..1410		
GI Descrip.	'4263821/gb\|AAD15464\| 2.0e-16 (AC006067) hypothetical protein [Arabidopsis thaliana]'		
Seq. No.	31699	Seq. ID	OJ990319_06.9C10.C18
Gene No.	65607	Strand	+
Start	1017	End	3171
Name	OJ990319_06.9C10.C18.o1.gs	Method	GENSCAN
Start	1022	End	2443

GI	none	Score	.93
Exons	1022..1215, 1305..1507, 1830..1876, 1959..2211, 2426..2443		

Seq. No.	31699	Seq. ID	OJ990319_06.9C10.C18
Gene No.	65607	Strand	+
Start	1017	End	3171
Name	OJ990319_06.9C10.C18.o1.np	Method	AAT/NAP
Start	1022	End	3171
GI	2244780	Score	108
Exons	1022..1215, 1339..1507, 1830..1876, 2994..3171		
GI Descrip.	(Z97335) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	31699	Seq. ID	OJ990319_06.9C10.C18
Gene No.	65608	Strand	+
Start	3957	End	4785
Name	OJ990319_06.9C10.C18.o1.tm	Method	TBLASTX:Maize
Start	1019	End	2212
GI	none	Score	114
Exons	1019..1132, 1019..1132, 1020..1166, 1167..1220, 1324..1383, 1324..1398, 1326..1400, 1331..1402, 1379..1507, 1381..1509, 1382..1507, 1822..1878, 1827..1877, 1903..2151, 1956..2165, 1956..2165, 2045..2212		

Seq. No.	31699	Seq. ID	OJ990319_06.9C10.C18
Gene No.	65608	Strand	+
Start	3957	End	4785
Name	OJ990319_06.9C10.C18.o2.gs	Method	GENSCAN
Start	3957	End	4785
GI	none	Score	.55
Exons	3957..4501, 4704..4785		

Seq. No.	31700	Seq. ID	OJ990319_06.9C10.C19
Gene No.	65609	Strand	+
Start	566	End	983
Name	OJ990319_06.9C10.C19.o1.gp	Method	AAT/GAP
Start	566	End	983
GI	none	Score	767
Exons	566..983		

Seq. No.	31700	Seq. ID	OJ990319_06.9C10.C19
Gene No.	65610	Strand	+
Start	10653	End	11159
Name	OJ990319_06.9C10.C19.o4.gp	Method	AAT/GAP
Start	10653	End	11159
GI	uC-osf1M202096g03b1	Score	964
Exons	10653..11159		
GI Descrip.	'2505877/emb\|CAA73306\| 6.0e-14 (Y12776) dehydrogenase [Arabidopsis thaliana]'		

Seq. No.	31700	Seq. ID	OJ990319_06.9C10.C19
Gene No.	65611	Strand	-
Start	491	End	12177
Name	OJ990319_06.9C10.C19.o1.gs	Method	GENSCAN
Start	491	End	12083
GI	none	Score	.83
Exons	491..639, 861..906, 1473..1607, 1935..2084, 3041..3229, 4584..4667, 4814..4975, 5064..5207, 5464..5581, 5707..5737,		

7158..7395, 8331..8477, 9299..9370, 10421..10468, 10585..11373, 11788..11918, 12041..12083

Seq. No.	31700	Seq. ID	OJ990319_06.9C10.C19
Gene No.	65611	Strand	-
Start	491	End	12177
Name	OJ990319_06.9C10.C19.o1.np	Method	AAT/NAP
Start	1455	End	7420
GI	1389768	Score	950
Exons	1455..1607, 1935..2053, 2281..2340, 2482..2570, 3041..3229, 4584..4667, 4814..4975, 5064..5212, 7382..7420		
GI Descrip.	(U58942) phosphoribosylanthranilate transferase [Arabidopsis thaliana]		

Seq. No.	31700	Seq. ID	OJ990319_06.9C10.C19
Gene No.	65611	Strand	-
Start	491	End	12177
Name	OJ990319_06.9C10.C19.o2.tm	Method	TBLASTX:Maize
Start	1474	End	4632
GI	none	Score	82
Exons	1474..1539, 1482..1541, 1564..1608, 1564..1605, 1933..2058, 1933..2058, 1938..2075, 1938..2072, 1940..2080, 1995..2075, 2280..2354, 2280..2333, 2281..2334, 2282..2353, 2479..2547, 2480..2545, 2480..2554, 2481..2546, 3036..3230, 3041..3232, 3045..3125, 3046..3231, 3047..3232, 4578..4628, 4583..4630, 4584..4628, 4585..4632		

Seq. No.	31700	Seq. ID	OJ990319_06.9C10.C19
Gene No.	65611	Strand	-
Start	491	End	12177
Name	OJ990319_06.9C10.C19.o2.gp	Method	AAT/GAP
Start	1486	End	2557
GI	LIB3434-026-P1-K1-E6	Score	650
Exons	1486..1607, 1935..2053, 2281..2340, 2482..2557		
GI Descrip.	'1389768 1.0e-34 (U58942) phosphoribosylanthranilate transferase [Arabidopsis thaliana]'		

Seq. No.	31700	Seq. ID	OJ990319_06.9C10.C19
Gene No.	65611	Strand	-
Start	491	End	12177
Name	OJ990319_06.9C10.C19.o2.ts	Method	TBLASTX:Soybean
Start	4579	End	5106
GI	none	Score	85
Exons	4579..4668, 4584..4679, 4847..4978, 5061..5102, 5062..5106		

Seq. No.	31700	Seq. ID	OJ990319_06.9C10.C19
Gene No.	65611	Strand	-
Start	491	End	12177
Name	OJ990319_06.9C10.C19.o4.tm	Method	TBLASTX:Maize
Start	4850	End	5412
GI	none	Score	104
Exons	4850..4978, 4904..4978, 5043..5117, 5061..5105, 5172..5210, 5175..5210, 5274..5309, 5290..5346, 5322..5345, 5380..5412		

Seq. No.	31700	Seq. ID	OJ990319_06.9C10.C19
Gene No.	65611	Strand	-
Start	491	End	12177

Name	OJ990319_06.9C10.C19.o3.gp	Method	AAT/GAP
Start	9283	End	10667
GI	uC-osflcyp132g04a1	Score	946
Exons	9283..9548, 9783..9899, 10421..10468, 10585..10667		
GI Descrip.	'2505877/emb\|CAA73306\| 7.0e-36 (Y12776) dehydrogenase [Arabidopsis thaliana]'		

Seq. No.	31700	Seq. ID	OJ990319_06.9C10.C19
Gene No.	65611	Strand	-
Start	491	End	12177
Name	OJ990319_06.9C10.C19.o5.tm	Method	TBLASTX:Maize
Start	9465	End	10627
GI	none	Score	93
Exons	9465..9548, 9477..9548, 9478..9549, 9781..9900, 9783..9902, 9783..9908, 9790..9909, 10415..10480, 10422..10469, 10580..10627, 10585..10626		

Seq. No.	31700	Seq. ID	OJ990319_06.9C10.C19
Gene No.	65611	Strand	-
Start	491	End	12177
Name	OJ990319_06.9C10.C19.o2.np	Method	AAT/NAP
Start	9477	End	12176
GI	2505878	Score	1097
Exons	9477..9548, 9783..9899, 10421..10468, 10585..11373, 11788..11918, 12041..12176		
GI Descrip.	(Y12776) gene5; most likely [Arabidopsis thaliana]		

Seq. No.	31700	Seq. ID	OJ990319_06.9C10.C19
Gene No.	65611	Strand	-
Start	491	End	12177
Name	OJ990319_06.9C10.C19.o1.tm	Method	TBLASTX:Maize
Start	10688	End	10917
GI	none	Score	264
Exons	10688..10906, 10690..10917		

Seq. No.	31700	Seq. ID	OJ990319_06.9C10.C19
Gene No.	65611	Strand	-
Start	491	End	12177
Name	OJ990319_06.9C10.C19.o1.ts	Method	TBLASTX:Soybean
Start	10864	End	11379
GI	none	Score	57
Exons	10864..10911, 10865..10906, 10942..11064, 11234..11377, 11248..11379, 11248..11373		

Seq. No.	31700	Seq. ID	OJ990319_06.9C10.C19
Gene No.	65611	Strand	-
Start	491	End	12177
Name	OJ990319_06.9C10.C19.o3.tm	Method	TBLASTX:Maize
Start	11059	End	12105
GI	none	Score	74
Exons	11059..11184, 11063..11179, 11187..11366, 11190..11378, 11222..11377, 11248..11379, 11782..11919, 11783..11920, 12039..12101, 12039..12104, 12040..12105		

Seq. No.	31700	Seq. ID	OJ990319_06.9C10.C19
Gene No.	65611	Strand	-
Start	491	End	12177

Name	OJ990319_06.9C10.C19.o1.tc	Method	TBLASTX:Cress
Start	11782	End	12177
GI	none	Score	124
Exons	11782..11919, 11785..11907, 11786..11920, 12029..12157, 12039..12176, 12040..12177, 12040..12177		

Seq. No.	31701	Seq. ID	OJ990319_06.9C10.C20
Gene No.	65612	Strand	-
Start	1	End	141
Name	OJ990319_06.9C10.C20.o1.np	Method	AAT/NAP
Start	1	End	141
GI	2505878	Score	95
Exons	1..141		
GI Descrip.	(Y12776) gene5; most likely [Arabidopsis thaliana]		

Seq. No.	31701	Seq. ID	OJ990319_06.9C10.C20
Gene No.	65613	Strand	-
Start	946	End	1246
Name	OJ990319_06.9C10.C20.o1.gp	Method	AAT/GAP
Start	946	End	1246
GI	1944311	Score	574
Exons	946..1246		

Seq. No.	31701	Seq. ID	OJ990319_06.9C10.C20
Gene No.	65614	Strand	-
Start	1476	End	3868
Name	OJ990319_06.9C10.C20.o2.gp	Method	AAT/GAP
Start	1476	End	2918
GI	64797_1.R1084	Score	840
Exons	1476..1549, 1691..1921, 2120..2285, 2889..2918		
GI Descrip.	'2632252/emb\|CAA73067\| 4.0e-18 (Y12464) serine/threonine kinase [Sorghum bicolor]'		

Seq. No.	31701	Seq. ID	OJ990319_06.9C10.C20
Gene No.	65614	Strand	-
Start	1476	End	3868
Name	OJ990319_06.9C10.C20.o1.tm	Method	TBLASTX:Maize
Start	2114	End	3868
GI	none	Score	79
Exons	2114..2170, 2117..2176, 2189..2236, 2196..2237, 2238..2306, 2239..2280, 2884..2937, 2889..2942, 2889..2942, 2890..2949, 3404..3535, 3404..3535, 3405..3536, 3787..3867, 3791..3868		

Seq. No.	31701	Seq. ID	OJ990319_06.9C10.C20
Gene No.	65614	Strand	-
Start	1476	End	3868
Name	OJ990319_06.9C10.C20.o2.gs	Method	GENSCAN
Start	2807	End	3867
GI	none	Score	.8
Exons	2807..2847, 3406..3535, 3790..3867		

Seq. No.	31702	Seq. ID	OJ990319_06.9C10.C21
Gene No.	65615	Strand	-
Start	142	End	2423
Name	OJ990319_06.9C10.C21.o1.gs	Method	GENSCAN
Start	142	End	2423
GI	none	Score	.49

Exons	142..166, 1416..1797, 2372..2423		
Seq. No.	31703	Seq. ID	OJ990319_06.9C10.C22
Gene No.	65616	Strand	-
Start	19	End	2549
Name	OJ990319_06.9C10.C22.o1.gs	Method	GENSCAN
Start	19	End	2549
GI	none	Score	.5
Exons	19..599, 910..958, 2521..2549		
Seq. No.	31704	Seq. ID	OJ990319_06.9C10.C23
Gene No.	65617	Strand	+
Start	841	End	930
Name	OJ990319_06.9C10.C23.o1.gs	Method	GENSCAN
Start	841	End	930
GI	none	Score	.4
Exons	841..930		
Seq. No.	31704	Seq. ID	OJ990319_06.9C10.C23
Gene No.	65618	Strand	+
Start	2148	End	3039
Name	OJ990319_06.9C10.C23.o1.gp	Method	AAT/GAP
Start	2148	End	2877
GI	uC-osf1M202046b02b1	Score	829
Exons	2148..2325, 2516..2591, 2688..2877		
GI Descrip.	'1922242/emb\|CAA71173\| 5.0e-13 (Y10084) hypothetical protein [Arabidopsis thaliana]'		
Seq. No.	31704	Seq. ID	OJ990319_06.9C10.C23
Gene No.	65618	Strand	+
Start	2148	End	3039
Name	OJ990319_06.9C10.C23.o3.gs	Method	GENSCAN
Start	2466	End	2948
GI	none	Score	.94
Exons	2466..2471, 2516..2948		
Seq. No.	31704	Seq. ID	OJ990319_06.9C10.C23
Gene No.	65618	Strand	+
Start	2148	End	3039
Name	OJ990319_06.9C10.C23.o1.np	Method	AAT/NAP
Start	2510	End	3039
GI	1922242	Score	268
Exons	2510..2591, 2688..2845, 2873..3039		
GI Descrip.	(Y10084) hypothetical protein [Arabidopsis thaliana]		
Seq. No.	31704	Seq. ID	OJ990319_06.9C10.C23
Gene No.	65619	Strand	-
Start	1867	End	2358
Name	OJ990319_06.9C10.C23.o2.gs	Method	GENSCAN
Start	1867	End	2358
GI	none	Score	.88
Exons	1867..2061, 2215..2358		
Seq. No.	31704	Seq. ID	OJ990319_06.9C10.C23
Gene No.	65620	Strand	
Start	2510	End	2814
Name	OJ990319_06.9C10.C23.o1.tc	Method	TBLASTX:Cress

Start	2510	End	2779
GI	none	Score	99
Exons	2510..2593, 2515..2595, 2672..2779, 2686..2772, 2687..2779		

Seq. No.	31704	Seq. ID	OJ990319_06.9C10.C23
Gene No.	65620	Strand	
Start	2510	End	2814
Name	OJ990319_06.9C10.C23.o1.ts	Method	TBLASTX:Soybean
Start	2510	End	2779
GI	none	Score	108
Exons	2510..2593, 2511..2570, 2515..2595, 2644..2778, 2672..2779		

Seq. No.	31704	Seq. ID	OJ990319_06.9C10.C23
Gene No.	65620	Strand	
Start	2510	End	2814
Name	OJ990319_06.9C10.C23.o1.tm	Method	TBLASTX:Maize
Start	2511	End	2814
GI	none	Score	101
Exons	2511..2591, 2513..2605, 2515..2595, 2672..2809, 2686..2805, 2688..2813, 2719..2814		

Seq. No.	31704	Seq. ID	OJ990319_06.9C10.C23
Gene No.	65620	Strand	
Start	2510	End	2814
Name	OJ990319_06.9C10.C23.o1.tw	Method	TBLASTX:Wheat
Start	2513	End	2809
GI	none	Score	111
Exons	2513..2593, 2514..2591, 2515..2595, 2672..2731, 2688..2729, 2691..2729, 2731..2778, 2732..2779, 2733..2780, 2734..2784, 2777..2809		

Seq. No.	31705	Seq. ID	OJ990319_06.9C10.C24
Gene No.	65621	Strand	-
Start	2453	End	2627
Name	OJ990319_06.9C10.C24.o1.gp	Method	AAT/GAP
Start	2453	End	2627
GI	2317413	Score	308
Exons	2453..2627		

Seq. No.	31706	Seq. ID	OJ990319_06.9C10.C25
Gene No.	65622	Strand	-
Start	106	End	4118
Name	OJ990319_06.9C10.C25.o2.tm	Method	TBLASTX:Maize
Start	25	End	4118
GI	none	Score	36
Exons	25..45, 160..204, 216..236, 297..377, 318..380, 504..593, 515..622, 516..596, 517..618, 677..748, 681..746, 878..997, 882..1004, 885..998, 1166..1279, 1233..1280, 1236..1280, 2402..2485, 2403..2486, 2404..2496, 2404..2490, 2576..2683, 2576..2683, 2867..2944, 2869..2946, 2872..2946, 3049..3120, 3053..3118, 3053..3121, 3055..3126, 3832..4008, 3837..4007, 4068..4118		

Seq. No.	31706	Seq. ID	OJ990319_06.9C10.C25
Gene No.	65622	Strand	-
Start	106	End	4118
Name	OJ990319_06.9C10.C25.o1.gp	Method	AAT/GAP

Start	106	End	750
GI	2317412	Score	735
Exons	106..377, 516..590, 689..750		
GI Descrip.	2632252/emb\|CAA73067\| 4.0e-18 (Y12464) serine/threonine kinase [Sorghum bicolor]		

Seq. No.	31706	Seq. ID	OJ990319_06.9C10.C25
Gene No.	65622	Strand	-
Start	106	End	4118
Name	OJ990319_06.9C10.C25.o1.np	Method	AAT/NAP
Start	303	End	4037
GI	6715641	Score	1341
Exons	303..377, 504..590, 689..745, 881..994, 1235..1345, 1459..1581, 1734..1825, 1906..2035, 2117..2170, 2404..2484, 2576..2683, 2872..2943, 3055..3117, 3846..4037		
GI Descrip.	(AC007323) T25K16.13 [Arabidopsis thaliana]		

Seq. No.	31706	Seq. ID	OJ990319_06.9C10.C25
Gene No.	65622	Strand	-
Start	106	End	4118
Name	OJ990319_06.9C10.C25.o1.gs	Method	GENSCAN
Start	516	End	4058
GI	none	Score	.87
Exons	516..590, 689..745, 881..997, 1235..1345, 1459..1581, 1734..1823, 1910..2035, 2117..2170, 2576..2683, 2872..2943, 3055..3165, 3846..4058		

Seq. No.	31706	Seq. ID	OJ990319_06.9C10.C25
Gene No.	65622	Strand	-
Start	106	End	4118
Name	OJ990319_06.9C10.C25.o2.ts	Method	TBLASTX:Soybean
Start	517	End	998
GI	none	Score	97
Exons	517..591, 519..596, 677..748, 681..746, 878..997, 882..998		

Seq. No.	31706	Seq. ID	OJ990319_06.9C10.C25
Gene No.	65622	Strand	-
Start	106	End	4118
Name	OJ990319_06.9C10.C25.o1.tw	Method	TBLASTX:Wheat
Start	878	End	1564
GI	none	Score	48
Exons	878..913, 878..916, 886..993, 894..1004, 908..997, 1166..1348, 1233..1364, 1236..1346, 1456..1554, 1457..1564		

Seq. No.	31706	Seq. ID	OJ990319_06.9C10.C25
Gene No.	65622	Strand	-
Start	106	End	4118
Name	OJ990319_06.9C10.C25.o1.ts	Method	TBLASTX:Soybean
Start	1241	End	4005
GI	none	Score	74
Exons	1241..1348, 1242..1322, 1249..1323, 1459..1581, 1734..1844, 1904..2041, 1920..1994, 2108..2170, 2115..2171, 2402..2485, 2404..2490, 2576..2683, 2577..2645, 2869..2946, 2870..2944, 3049..3120, 3053..3118, 3837..3992, 3847..4005		

Seq. No.	31706	Seq. ID	OJ990319_06.9C10.C25
Gene No.	65622	Strand	-

Start	106	End	4118
Name	OJ990319_06.9C10.C25.o1.tm	Method	TBLASTX:Maize
Start	1281	End	2162
GI	none	Score	162
Exons	1281..1379, 1453..1581, 1456..1578, 1457..1582, 1457..1582, 1729..1869, 1734..1844, 1907..2044, 1910..2044, 1911..2048, 1912..2049, 1912..2052, 2108..2158, 2114..2161, 2118..2162		

Seq. No.	31706	Seq. ID	OJ990319_06.9C10.C25
Gene No.	65622	Strand	-
Start	106	End	4118
Name	OJ990319_06.9C10.C25.o1.tc	Method	TBLASTX:Cress
Start	1729	End	2615
GI	none	Score	69
Exons	1729..1854, 1734..1844, 1907..2041, 1923..1997, 2111..2188, 2115..2189, 2416..2490, 2423..2491, 2559..2615, 2576..2614		

Seq. No.	31706	Seq. ID	OJ990319_06.9C10.C25
Gene No.	65622	Strand	-
Start	106	End	4118
Name	OJ990319_06.9C10.C25.o2.tc	Method	TBLASTX:Cress
Start	2618	End	3993
GI	none	Score	77
Exons	2618..2683, 2869..2946, 2870..2944, 3049..3120, 3053..3118, 3837..3992, 3847..3993		

Seq. No.	31706	Seq. ID	OJ990319_06.9C10.C25
Gene No.	65622	Strand	-
Start	106	End	4118
Name	OJ990319_06.9C10.C25.o2.tw	Method	TBLASTX:Wheat
Start	3871	End	4005
GI	none	Score	156
Exons	3871..4005, 3873..4004		

Seq. No.	31707	Seq. ID	OJ990319_06.9C10.C26
Gene No.	65623	Strand	+
Start	246	End	649
Name	OJ990319_06.9C10.C26.o1.gs	Method	GENSCAN
Start	246	End	649
GI	none	Score	.57
Exons	246..298, 351..412, 534..649		

Seq. No.	31707	Seq. ID	OJ990319_06.9C10.C26
Gene No.	65624	Strand	-
Start	244	End	661
Name	OJ990319_06.9C10.C26.o1.gp	Method	AAT/GAP
Start	244	End	661
GI	4681_1.R1084	Score	758
Exons	244..661		
GI Descrip.	'2632252/emb\|CAA73067\| 4.0e-18 (Y12464) serine/threonine kinase [Sorghum bicolor]'		

Seq. No.	31708	Seq. ID	OJ990319_06.9C10.C28
Gene No.	65625	Strand	+
Start	258	End	275
Name	OJ990319_06.9C10.C28.o1.gs	Method	GENSCAN
Start	258	End	275

GI	none	Score	.42
Exons	258..275		

Seq. No.	31709	Seq. ID	OJ990319_06.9C10.C29
Gene No.	65626	Strand	-
Start	1	End	680
Name	OJ990319_06.9C10.C29.o1.np	Method	AAT/NAP
Start	1	End	680
GI	3702338	Score	199
Exons	1..142, 289..366, 471..530, 625..680		
GI Descrip.	(AC005397) unknown protein [Arabidopsis thaliana]		

Seq. No.	31709	Seq. ID	OJ990319_06.9C10.C29
Gene No.	65626	Strand	-
Start	1	End	680
Name	OJ990319_06.9C10.C29.o1.gp	Method	AAT/GAP
Start	56	End	546
GI	LIB3474-010-P1-K1-H10	Score	370
Exons	56..142, 289..366, 471..546		
GI Descrip.	'3702338 2.0e-15 (AC005397) unknown protein [Arabidopsis thaliana]'		

Seq. No.	31709	Seq. ID	OJ990319_06.9C10.C29
Gene No.	65626	Strand	-
Start	1	End	680
Name	OJ990319_06.9C10.C29.o1.gs	Method	GENSCAN
Start	289	End	444
GI	none	Score	.52
Exons	289..444		

Seq. No.	31710	Seq. ID	OJ990319_06.9C10.C30
Gene No.	65627	Strand	+
Start	83	End	552
Name	OJ990319_06.9C10.C30.o1.gs	Method	GENSCAN
Start	83	End	552
GI	none	Score	.8
Exons	83..486, 491..552		

Seq. No.	31711	Seq. ID	OJ990319_06.9C10.C36
Gene No.	65628	Strand	+
Start	1	End	974
Name	OJ990319_06.9C10.C36.o1.np	Method	AAT/NAP
Start	1	End	974
GI	3885328	Score	320
Exons	1..44, 130..200, 312..383, 572..679, 771..974		
GI Descrip.	(AC005623) putative protein kinase [Arabidopsis thaliana]		

Seq. No.	31711	Seq. ID	OJ990319_06.9C10.C36
Gene No.	65628	Strand	+
Start	1	End	974
Name	OJ990319_06.9C10.C36.o1.gs	Method	GENSCAN
Start	90	End	857
GI	none	Score	.57
Exons	90..200, 312..383, 572..679, 771..857		

Seq. No.	31711	Seq. ID	OJ990319_06.9C10.C36
Gene No.	65628	Strand	+

Start	1	End	974
Name	OJ990319_06.9C10.C36.o1.tm	Method	TBLASTX:Maize
Start	129	End	853
GI	none	Score	70
Exons	129..200, 134..202, 135..206, 137..202, 309..386, 309..383, 311..388, 572..679, 572..679, 759..851, 765..851, 769..852, 770..853		

Seq. No.	31711	Seq. ID	OJ990319_06.9C10.C36
Gene No.	65628	Strand	+
Start	1	End	974
Name	OJ990319_06.9C10.C36.o1.tc	Method	TBLASTX:Cress
Start	135	End	853
GI	none	Score	105
Exons	135..206, 137..202, 309..386, 311..385, 572..679, 610..675, 764..853, 765..851		

Seq. No.	31711	Seq. ID	OJ990319_06.9C10.C36
Gene No.	65628	Strand	+
Start	1	End	974
Name	OJ990319_06.9C10.C36.o1.ts	Method	TBLASTX:Soybean
Start	135	End	853
GI	none	Score	100
Exons	135..206, 137..202, 309..386, 311..385, 572..679, 610..678, 765..851, 770..853		

Seq. No.	31712	Seq. ID	OJ990319_06.9C10.C41
Gene No.	65629	Strand	-
Start	169	End	629
Name	OJ990319_06.9C10.C41.o1.gs	Method	GENSCAN
Start	169	End	629
GI	none	Score	.71
Exons	169..303, 426..629		

Seq. No.	31713	Seq. ID	OJ990319_06.9C10.C42
Gene No.	65630	Strand	+
Start	327	End	428
Name	OJ990319_06.9C10.C42.o1.gs	Method	GENSCAN
Start	327	End	428
GI	none	Score	.87
Exons	327..428		

Seq. No.	31714	Seq. ID	OJ990319_06.9C10.C43
Gene No.	65631	Strand	+
Start	851	End	1917
Name	OJ990319_06.9C10.C43.o1.gs	Method	GENSCAN
Start	851	End	1917
GI	none	Score	.57
Exons	851..1040, 1661..1917		

Seq. No.	31714	Seq. ID	OJ990319_06.9C10.C43
Gene No.	65632	Strand	+
Start	3345	End	4425
Name	OJ990319_06.9C10.C43.o2.gs	Method	GENSCAN
Start	3345	End	4425
GI	none	Score	.63
Exons	3345..3392, 3571..3754, 3984..4178, 4409..4425		

Seq. No.	31714	Seq. ID	OJ990319_06.9C10.C43
Gene No.	65633	Strand	-
Start	4627	End	5349
Name	OJ990319_06.9C10.C43.o3.gs	Method	GENSCAN
Start	4627	End	5349
GI	none	Score	.63
Exons	4627..4662, 4884..4925, 5104..5218, 5279..5349		

Seq. No.	31714	Seq. ID	OJ990319_06.9C10.C43
Gene No.	65634	Strand	-
Start	6229	End	8343
Name	OJ990319_06.9C10.C43.o4.gs	Method	GENSCAN
Start	6229	End	8343
GI	none	Score	.5
Exons	6229..6246, 6503..6533, 7013..7090, 8247..8343		

Seq. No.	31715	Seq. ID	OJ990319_06.9C10.C46
Gene No.	65635	Strand	-
Start	136	End	1663
Name	OJ990319_06.9C10.C46.o1.np	Method	AAT/NAP
Start	136	End	1663
GI	4926831	Score	217
Exons	136..395, 871..971, 1483..1663		
GI Descrip.	(AC004135) T17H7.16 [Arabidopsis thaliana]		

Seq. No.	31715	Seq. ID	OJ990319_06.9C10.C46
Gene No.	65635	Strand	-
Start	136	End	1663
Name	OJ990319_06.9C10.C46.o1.gs	Method	GENSCAN
Start	225	End	960
GI	none	Score	.96
Exons	225..395, 871..960		

Seq. No.	31715	Seq. ID	OJ990319_06.9C10.C46
Gene No.	65635	Strand	-
Start	136	End	1663
Name	OJ990319_06.9C10.C46.o1.tm	Method	TBLASTX:Maize
Start	225	End	388
GI	none	Score	201
Exons	225..377, 227..388, 232..387		

Seq. No.	31715	Seq. ID	OJ990319_06.9C10.C46
Gene No.	65635	Strand	-
Start	136	End	1663
Name	OJ990319_06.9C10.C46.o1.ts	Method	TBLASTX:Soybean
Start	229	End	403
GI	none	Score	151
Exons	229..378, 234..380, 235..387, 278..403		

Seq. No.	31716	Seq. ID	OJ990319_06.9C10.C47
Gene No.	65636	Strand	-
Start	562	End	2931
Name	OJ990319_06.9C10.C47.o1.gs	Method	GENSCAN
Start	562	End	2919
GI	none	Score	.87
Exons	562..1236, 2397..2668, 2766..2919		

Seq. No.	31716	Seq. ID	OJ990319_06.9C10.C47
Gene No.	65636	Strand	-
Start	562	End	2931
Name	OJ990319_06.9C10.C47.o1.np	Method	AAT/NAP
Start	580	End	2931
GI	2961375	Score	747
Exons	580..1236, 2397..2668, 2766..2931		
GI Descrip.	(AL022141) NAM like protein [Arabidopsis thaliana]		

Seq. No.	31716	Seq. ID	OJ990319_06.9C10.C47
Gene No.	65637	Strand	-
Start	5695	End	6063
Name	OJ990319_06.9C10.C47.o1.tm	Method	TBLASTX:Maize
Start	2398	End	2926
GI	none	Score	161
Exons	2398..2517, 2406..2639, 2407..2634, 2749..2922, 2840..2926		

Seq. No.	31716	Seq. ID	OJ990319_06.9C10.C47
Gene No.	65637	Strand	-
Start	5695	End	6063
Name	OJ990319_06.9C10.C47.o1.tw	Method	TBLASTX:Wheat
Start	2412	End	2657
GI	none	Score	142
Exons	2412..2657, 2431..2634		

Seq. No.	31716	Seq. ID	OJ990319_06.9C10.C47
Gene No.	65637	Strand	-
Start	5695	End	6063
Name	OJ990319_06.9C10.C47.o1.ts	Method	TBLASTX:Soybean
Start	2422	End	2914
GI	none	Score	194
Exons	2422..2637, 2424..2642, 2758..2907, 2831..2914		

Seq. No.	31716	Seq. ID	OJ990319_06.9C10.C47
Gene No.	65637	Strand	-
Start	5695	End	6063
Name	OJ990319_06.9C10.C47.o1.tc	Method	TBLASTX:Cress
Start	2436	End	2917
GI	none	Score	64
Exons	2436..2507, 2436..2510, 2437..2508, 2526..2672, 2533..2658, 2767..2913, 2825..2917		

Seq. No.	31716	Seq. ID	OJ990319_06.9C10.C47
Gene No.	65637	Strand	-
Start	5695	End	6063
Name	OJ990319_06.9C10.C47.o2.gs	Method	GENSCAN
Start	5695	End	6063
GI	none	Score	.43
Exons	5695..5700, 5763..5877, 5991..6063		

Seq. No.	31717	Seq. ID	OJ990319_06.9C10.C48
Gene No.	65638	Strand	+
Start	1516	End	1910
Name	OJ990319_06.9C10.C48.o1.gs	Method	GENSCAN
Start	1516	End	1910
GI	none	Score	.41

Exons	1516..1694, 1819..1910		
Seq. No.	31718	Seq. ID	OJ990319_06.9C10.C50
Gene No.	65639	Strand	+
Start	1	End	448
Name	OJ990319_06.9C10.C50.o1.np	Method	AAT/NAP
Start	1	End	448
GI	3702338	Score	207
Exons	1..263, 348..448		
GI Descrip.	(AC005397) unknown protein [Arabidopsis thaliana]		
Seq. No.	31718	Seq. ID	OJ990319_06.9C10.C50
Gene No.	65639	Strand	+
Start	1	End	448
Name	OJ990319_06.9C10.C50.o1.tm	Method	TBLASTX:Maize
Start	131	End	425
GI	none	Score	204
Exons	131..265, 138..266, 141..266, 345..392, 347..424, 348..425		
Seq. No.	31718	Seq. ID	OJ990319_06.9C10.C50
Gene No.	65639	Strand	+
Start	1	End	448
Name	OJ990319_06.9C10.C50.o1.gs	Method	GENSCAN
Start	141	End	448
GI	none	Score	.71
Exons	141..263, 348..448		
Seq. No.	31718	Seq. ID	OJ990319_06.9C10.C50
Gene No.	65639	Strand	+
Start	1	End	448
Name	OJ990319_06.9C10.C50.o1.ts	Method	TBLASTX:Soybean
Start	144	End	427
GI	none	Score	168
Exons	144..266, 149..265, 186..266, 347..427, 348..425		
Seq. No.	31719	Seq. ID	OJ990319_06.9C10.C51
Gene No.	65640	Strand	+
Start	62	End	450
Name	OJ990319_06.9C10.C51.o1.gs	Method	GENSCAN
Start	62	End	450
GI	none	Score	.79
Exons	62..116, 194..450		
Seq. No.	31720	Seq. ID	OJ990319_06.9C10.C53
Gene No.	65641	Strand	-
Start	225	End	1364
Name	OJ990319_06.9C10.C53.o1.ts	Method	TBLASTX:Soybean
Start	222	End	1313
GI	none	Score	151
Exons	222..308, 247..333, 1135..1284, 1140..1295, 1141..1293, 1182..1313, 1184..1309		
Seq. No.	31720	Seq. ID	OJ990319_06.9C10.C53
Gene No.	65641	Strand	-
Start	225	End	1364
Name	OJ990319_06.9C10.C53.o1.np	Method	AAT/NAP
Start	225	End	1364

GI	4926831	Score	253
Exons	225..305, 1131..1364		
GI Descrip.	(AC004135) T17H7.16 [Arabidopsis thaliana]		

Seq. No.	31720	Seq. ID	OJ990319_06.9C10.C53
Gene No.	65641	Strand	-
Start	225	End	1364
Name	OJ990319_06.9C10.C53.o1.tm	Method	TBLASTX:Maize
Start	255	End	1295
GI	none	Score	62
Exons	255..308, 262..306, 1131..1295, 1138..1293		

Seq. No.	31720	Seq. ID	OJ990319_06.9C10.C53
Gene No.	65641	Strand	-
Start	225	End	1364
Name	OJ990319_06.9C10.C53.o1.gs	Method	GENSCAN
Start	1131	End	1301
GI	none	Score	.55
Exons	1131..1301		

Seq. No.	31721	Seq. ID	OJ990429_08.9C23.C2
Gene No.	65642	Strand	-
Start	377	End	504
Name	OJ990429_08.9C23.C2.o1.np	Method	AAT/NAP
Start	377	End	504
GI	769712	Score	114
Exons	377..504		
GI Descrip.	(D32052) ORF72 [Oryza sativa]		

Seq. No.	31722	Seq. ID	OJ990429_08.9C23.C3
Gene No.	65643	Strand	+
Start	117	End	560
Name	OJ990429_08.9C23.C3.o1.gs	Method	GENSCAN
Start	117	End	560
GI	none	Score	.49
Exons	117..391, 498..560		

Seq. No.	31723	Seq. ID	OJ990429_08.9C23.C4
Gene No.	65644	Strand	-
Start	58	End	242
Name	OJ990429_08.9C23.C4.o1.gp	Method	AAT/GAP
Start	58	End	242
GI	52910_1.R1084	Score	299
Exons	58..242		
GI Descrip.	'5091622/gb\|AAD39610.1\|AC007454_9 3.0e-26 (AC007454) F23M19.10 [Arabidopsis thaliana]'		

Seq. No.	31723	Seq. ID	OJ990429_08.9C23.C4
Gene No.	65644	Strand	-
Start	58	End	242
Name	OJ990429_08.9C23.C4.o1.ts	Method	TBLASTX:Soybean
Start	65	End	242
GI	none	Score	64
Exons	65..241, 81..242		

Seq. No.	31723	Seq. ID	OJ990429_08.9C23.C4
Gene No.	65644	Strand	-

Start	58	End	242
Name	OJ990429_08.9C23.C4.o1.gs	Method	GENSCAN
Start	68	End	239
GI	none	Score	.81
Exons	68..239		

Seq. No.	31724	Seq. ID	OJ990429_08.9C23.C6
Gene No.	65645	Strand	+
Start	42	End	1314
Name	OJ990429_08.9C23.C6.o1.gp	Method	AAT/GAP
Start	42	End	413
GI	none	Score	657
Exons	42.:413		

Seq. No.	31724	Seq. ID	OJ990429_08.9C23.C6
Gene No.	65645	Strand	+
Start	42	End	1314
Name	OJ990429_08.9C23.C6.o1.gs	Method	GENSCAN
Start	125	End	1252
GI	none	Score	1
Exons	125..1252		

Seq. No.	31724	Seq. ID	OJ990429_08.9C23.C6
Gene No.	65645	Strand	+
Start	42	End	1314
Name	OJ990429_08.9C23.C6.o3.tm	Method	TBLASTX:Maize
Start	382	End	496
GI	none	Score	113
Exons	382..495, 392..496		

Seq. No.	31724	Seq. ID	OJ990429_08.9C23.C6
Gene No.	65645	Strand	+
Start	42	End	1314
Name	OJ990429_08.9C23.C6.o1.np	Method	AAT/NAP
Start	386	End	722
GI	6554198	Score	73
Exons	386..722		
GI Descrip.	(AC011661) T23J18.17 [Arabidopsis thaliana]		

Seq. No.	31724	Seq. ID	OJ990429_08.9C23.C6
Gene No.	65645	Strand	+
Start	42	End	1314
Name	OJ990429_08.9C23.C6.o1.tm	Method	TBLASTX:Maize
Start	496	End	799
GI	none	Score	292
Exons	496..669, 497..733, 713..799, 715..798		

Seq. No.	31724	Seq. ID	OJ990429_08.9C23.C6
Gene No.	65645	Strand	+
Start	42	End	1314
Name	OJ990429_08.9C23.C6.o2.tm	Method	TBLASTX:Maize
Start	860	End	1314
GI	none	Score	72
Exons	860..958, 863..958, 944..1153, 944..1150, 1012..1155, 1128..1220, 1144..1281, 1214..1243, 1263..1298, 1269..1310, 1282..1314		

Seq. No.	31725	Seq. ID	OJ990429_08.9C23.C7
Gene No.	65646	Strand	+
Start	223	End	331
Name	OJ990429_08.9C23.C7.o1.gs	Method	GENSCAN
Start	223	End	331
GI	none	Score	.88
Exons	223..331		

Seq. No.	31726	Seq. ID	OJ990429_08.9C23.C8
Gene No.	65647	Strand	+
Start	262	End	534
Name	OJ990429_08.9C23.C8.o1.gs	Method	GENSCAN
Start	262	End	534
GI	none	Score	1
Exons	262..534		

Seq. No.	31727	Seq. ID	OJ990429_08.9C23.C9
Gene No.	65648	Strand	-
Start	211	End	468
Name	OJ990429_08.9C23.C9.o1.gs	Method	GENSCAN
Start	211	End	468
GI	none	Score	.58
Exons	211..468		

Seq. No.	31728	Seq. ID	OJ990429_08.9C23.C10
Gene No.	65649	Strand	-
Start	50	End	199
Name	OJ990429_08.9C23.C10.o1.gs	Method	GENSCAN
Start	50	End	199
GI	none	Score	.88
Exons	50..199		

Seq. No.	31729	Seq. ID	OJ990429_08.9C23.C11
Gene No.	65650	Strand	
Start	706	End	1111
Name	OJ990429_08.9C23.C11.o1.tm	Method	TBLASTX:Maize
Start	706	End	1111
GI	none	Score	125
Exons	706..930, 711..920, 745..942, 746..943, 868..1110, 939..989, 952..1023, 983..1111		

Seq. No.	31730	Seq. ID	OJ990429_08.9C23.C12
Gene No.	65651	Strand	+
Start	1588	End	6155
Name	OJ990429_08.9C23.C12.o1.gs	Method	GENSCAN
Start	1588	End	6155
GI	none	Score	.48
Exons	1588..1644, 2737..2892, 4306..4403, 6047..6155		

Seq. No.	31731	Seq. ID	OJ990429_08.9C23.C14
Gene No.	65652	Strand	+
Start	1	End	7731
Name	OJ990429_08.9C23.C14.o2.np	Method	AAT/NAP
Start	1	End	7731
GI	6453893	Score	369
Exons	1..57, 283..356, 447..524, 1096..1213, 1411..1635, 4174..4267, 4354..4452, 4531..4629, 5654..5699, 7594..7731		

GI Descrip. (AC011663) hypothetical protein [Arabidopsis thaliana]

Seq. No.	31731	Seq. ID	OJ990429_08.9C23.C14
Gene No.	65652	Strand	+
Start	1	End	7731
Name	OJ990429_08.9C23.C14.o1.np	Method	AAT/NAP
Start	1	End	1148
GI	1518059	Score	82
Exons	1..287, 1096..1148		
GI Descrip.	(U65650) blue-copper binging protein III [Arabidopsis thaliana] gi\|3395770 (AF039404) uclacyanin 3 [Arabidopsis thaliana]		

Seq. No.	31731	Seq. ID	OJ990429_08.9C23.C14
Gene No.	65652	Strand	+
Start	1	End	7731
Name	OJ990429_08.9C23.C14.o1.gp	Method	AAT/GAP
Start	87	End	524
GI	uC-osf1cyp058h07b1	Score	821
Exons	87..524		
GI Descrip.	'5441872/dbj\|AP000366.1\|AP000366 2.0e-21 Oryza sativa genomic DNA, chromosome 2, clone:P0437H03 (contig a)'		

Seq. No.	31731	Seq. ID	OJ990429_08.9C23.C14
Gene No.	65652	Strand	+
Start	1	End	7731
Name	OJ990429_08.9C23.C14.o1.gs	Method	GENSCAN
Start	112	End	4936
GI	none	Score	.64
Exons	112..524, 1096..1213, 1411..1772, 4151..4267, 4354..4452, 4531..4936		

Seq. No.	31731	Seq. ID	OJ990429_08.9C23.C14
Gene No.	65652	Strand	+
Start	1	End	7731
Name	OJ990429_08.9C23.C14.o2.gp	Method	AAT/GAP
Start	1617	End	4686
GI	none	Score	988
Exons	1617..1772, 4151..4267, 4354..4452, 4531..4686		

Seq. No.	31731	Seq. ID	OJ990429_08.9C23.C14
Gene No.	65653	Strand	+
Start	8793	End	9251
Name	OJ990429_08.9C23.C14.o3.gs	Method	GENSCAN
Start	8793	End	9251
GI	none	Score	.7
Exons	8793..8816, 9129..9251		

Seq. No.	31731	Seq. ID	OJ990429_08.9C23.C14
Gene No.	65654	Strand	+
Start	11038	End	16026
Name	OJ990429_08.9C23.C14.o5.np	Method	AAT/NAP
Start	11038	End	16010
GI	5911745	Score	440
Exons	11038..11091, 12468..12770, 12849..13618, 15981..16010		
GI Descrip.	(AJ249449) NBS-LRR protein [Solanum tuberosum] gi\|6164969\|gb\|AAF04603.1\|AF195939_1 (AF195939) disease resistance protein Gpa2 [Solanum tuberosum]		

Seq. No.	31731	Seq. ID	OJ990429_08.9C23.C14
Gene No.	65654	Strand	+
Start	11038	End	16026
Name	OJ990429_08.9C23.C14.o4.gp	Method	AAT/GAP
Start	15905	End	16026
GI	none	Score	177
Exons	15905..16026		

Seq. No.	31731	Seq. ID	OJ990429_08.9C23.C14
Gene No.	65655	Strand	+
Start	18938	End	20867
Name	OJ990429_08.9C23.C14.o7.gs	Method	GENSCAN
Start	18938	End	20867
GI	none	Score	.82
Exons	18938..19164, 19863..20057, 20266..20317, 20322..20470, 20769..20867		

Seq. No.	31731	Seq. ID	OJ990429_08.9C23.C14
Gene No.	65656	Strand	-
Start	6173	End	7777
Name	OJ990429_08.9C23.C14.o3.gp	Method	AAT/GAP
Start	5813	End	7777
GI	4217_1.R1084	Score	1740
Exons	5813..6257, 7112..7284, 7371..7446, 7560..7777		
GI Descrip.	'4758714/ref\|NP_004519.1\|pMGST3\| 3.0e-25 microsomal glutathione S-transferase 3 >gi_2583081 (AF026977) microsomal glutathione S-transferase 3 [Homo sapiens]'		

Seq. No.	31731	Seq. ID	OJ990429_08.9C23.C14
Gene No.	65656	Strand	-
Start	6173	End	7777
Name	OJ990429_08.9C23.C14.o2.gs	Method	GENSCAN
Start	6173	End	7672
GI	none	Score	.83
Exons	6173..6257, 7112..7284, 7371..7446, 7560..7672		

Seq. No.	31731	Seq. ID	OJ990429_08.9C23.C14
Gene No.	65656	Strand	-
Start	6173	End	7777
Name	OJ990429_08.9C23.C14.o3.np	Method	AAT/NAP
Start	7039	End	7675
GI	6686399	Score	395
Exons	7039..7284, 7371..7446, 7560..7675		
GI Descrip.	(AC007234) F1E22.17 [Arabidopsis thaliana]		

Seq. No.	31731	Seq. ID	OJ990429_08.9C23.C14
Gene No.	65657	Strand	-
Start	9903	End	10407
Name	OJ990429_08.9C23.C14.o4.gs	Method	GENSCAN
Start	9903	End	10407
GI	none	Score	.97
Exons	9903..10102, 10212..10407		

Seq. No.	31731	Seq. ID	OJ990429_08.9C23.C14
Gene No.	65657	Strand	-
Start	9903	End	10407

Name	OJ990429_08.9C23.C14.o4.np	Method	AAT/NAP
Start	9906	End	10407
GI	3860333	Score	261
Exons	9906..10102, 10212..10356, 10384..10407		
GI Descrip.	(AJ012693) basic blue copper protein [Cicer arietinum]		

Seq. No.	31731	Seq. ID	OJ990429_08.9C23.C14
Gene No.	65658	Strand	-
Start	16148	End	17752
Name	OJ990429_08.9C23.C14.o2.tm	Method	TBLASTX:Maize
Start	1555	End	4615
GI	none	Score	133
Exons	1555..1674, 1565..1651, 1696..1767, 1707..1763, 4146..4268, 4149..4268, 4152..4217, 4157..4276, 4221..4262, 4236..4265, 4345..4458, 4346..4453, 4346..4381, 4346..4420, 4529..4615, 4532..4558, 4532..4594		

Seq. No.	31731	Seq. ID	OJ990429_08.9C23.C14
Gene No.	65658	Strand	-
Start	16148	End	17752
Name	OJ990429_08.9C23.C14.o1.tm	Method	TBLASTX:Maize
Start	6161	End	7675
GI	none	Score	93
Exons	6161..6256, 6167..6259, 6183..6257, 7099..7293, 7111..7290, 7112..7291, 7371..7448, 7372..7449, 7373..7447, 7540..7575, 7559..7675, 7559..7675		

Seq. No.	31731	Seq. ID	OJ990429_08.9C23.C14
Gene No.	65658	Strand	-
Start	16148	End	17752
Name	OJ990429_08.9C23.C14.o1.tc	Method	TBLASTX:Cress
Start	6188	End	7669
GI	none	Score	77
Exons	6188..6247, 7091..7168, 7099..7293, 7138..7308, 7371..7448, 7375..7458, 7500..7646, 7559..7669		

Seq. No.	31731	Seq. ID	OJ990429_08.9C23.C14
Gene No.	65658	Strand	-
Start	16148	End	17752
Name	OJ990429_08.9C23.C14.o1.tw	Method	TBLASTX:Wheat
Start	7177	End	7698
GI	none	Score	136
Exons	7177..7287, 7180..7293, 7211..7291, 7371..7445, 7371..7448, 7375..7449, 7376..7528, 7557..7679, 7559..7681, 7559..7678, 7645..7698		

Seq. No.	31731	Seq. ID	OJ990429_08.9C23.C14
Gene No.	65658	Strand	-
Start	16148	End	17752
Name	OJ990429_08.9C23.C14.o2.tc	Method	TBLASTX:Cress
Start	9889	End	17570
GI	none	Score	115
Exons	9889..10113, 9903..10121, 10214..10306, 10383..10406, 16145..16354, 16146..16355, 17466..17570, 17470..17556		

Seq. No.	31731	Seq. ID	OJ990429_08.9C23.C14
Gene No.	65658	Strand	-

Start	16148	End	17752
Name	OJ990429_08.9C23.C14.o1.ts	Method	TBLASTX:Soybean
Start	9900	End	17670
GI	none	Score	100
Exons	9900..10121, 9901..10122, 10213..10338, 10217..10339, 10383..10409, 10383..10409, 16148..16345, 16149..16352, 17466..17576, 17467..17565, 17620..17670, 17633..17659		

Seq. No.	31731	Seq. ID	OJ990429_08.9C23.C14
Gene No.	65658	Strand	-
Start	16148	End	17752
Name	OJ990429_08.9C23.C14.o3.tm	Method	TBLASTX:Maize
Start	9903	End	17653
GI	none	Score	158
Exons	9903..10121, 9904..10137, 10213..10239, 10220..10312, 10386..10406, 16148..16354, 16152..16355, 17466..17576, 17467..17598, 17547..17651, 17630..17653		

Seq. No.	31731	Seq. ID	OJ990429_08.9C23.C14
Gene No.	65658	Strand	-
Start	16148	End	17752
Name	OJ990429_08.9C23.C14.o3.tc	Method	TBLASTX:Cress
Start	12563	End	14826
GI	none	Score	35
Exons	12563..12607, 12706..12750, 12826..12960, 12946..13149, 13246..13404, 13852..14028, 14551..14826		

Seq. No.	31731	Seq. ID	OJ990429_08.9C23.C14
Gene No.	65658	Strand	-
Start	16148	End	17752
Name	OJ990429_08.9C23.C14.o2.ts	Method	TBLASTX:Soybean
Start	12907	End	14088
GI	none	Score	75
Exons	12907..13011, 13102..13242, 13279..13425, 13429..13491, 13927..14088		

Seq. No.	31731	Seq. ID	OJ990429_08.9C23.C14
Gene No.	65658	Strand	-
Start	16148	End	17752
Name	OJ990429_08.9C23.C14.o6.gs	Method	GENSCAN
Start	16148	End	17654
GI	none	Score	1
Exons	16148..16347, 17465..17654		

Seq. No.	31731	Seq. ID	OJ990429_08.9C23.C14
Gene No.	65658	Strand	-
Start	16148	End	17752
Name	OJ990429_08.9C23.C14.o8.np	Method	AAT/NAP
Start	16151	End	17633
GI	3860333	Score	370
Exons	16151..16347, 17465..17633		
GI Descrip.	(AJ012693) basic blue copper protein [Cicer arietinum]		

Seq. No.	31731	Seq. ID	OJ990429_08.9C23.C14
Gene No.	65658	Strand	-
Start	16148	End	17752
Name	OJ990429_08.9C23.C14.o5.gp	Method	AAT/GAP

Start	16159	End	17752
GI	26025_1.R1084	Score	917
Exons	16159..16347, 17465..17752		
GI Descrip.	'3860333/emb\|CAA10134\| 1.0e-36 (AJ012693) basic blue copper protein [Cicer arietinum]'		

Seq. No.	31732	Seq. ID	OJ990429_08.9C23.C15
Gene No.	65659	Strand	-
Start	2373	End	4997
Name	OJ990429_08.9C23.C15.o1.gs	Method	GENSCAN
Start	2373	End	4490
GI	none	Score	.52
Exons	2373..2608, 2958..3160, 3607..3701, 4347..4490		

Seq. No.	31732	Seq. ID	OJ990429_08.9C23.C15
Gene No.	65659	Strand	-
Start	2373	End	4997
Name	OJ990429_08.9C23.C15.o1.np	Method	AAT/NAP
Start	4332	End	4997
GI	5852084	Score	93
Exons	4332..4424, 4947..4997		
GI Descrip.	(AL117264) zwh0007.1 [Oryza sativa]		

Seq. No.	31733	Seq. ID	OJ990429_08.9C23.C16
Gene No.	65660	Strand	+
Start	2277	End	15689
Name	OJ990429_08.9C23.C16.o1.gs	Method	GENSCAN
Start	2277	End	15689
GI	none	Score	.4
Exons	2277..2391, 4090..4450, 4594..5253, 6226..6584, 7256..7563, 7702..7731, 8809..8851, 9460..9727, 9768..9952, 11523..12078, 12993..13173, 13199..13308, 13663..13789, 14081..14171, 14991..15062, 15448..15689		

Seq. No.	31733	Seq. ID	OJ990429_08.9C23.C16
Gene No.	65660	Strand	+
Start	2277	End	15689
Name	OJ990429_08.9C23.C16.o1.np	Method	AAT/NAP
Start	3960	End	8490
GI	2586082	Score	4633
Exons	3960..6648, 6890..8490		
GI Descrip.	(U72725) retrofit [Oryza longistaminata]		

Seq. No.	31733	Seq. ID	OJ990429_08.9C23.C16
Gene No.	65661	Strand	+
Start	16242	End	17705
Name	OJ990429_08.9C23.C16.o2.gp	Method	AAT/GAP
Start	16175	End	17089
GI	52910_1.R1084	Score	1275
Exons	16175..16534, 16672..16843, 16934..17089		
GI Descrip.	'5091622/gb\|AAD39610.1\|AC007454_9 3.0e-26 (AC007454) F23M19.10 [Arabidopsis thaliana]'		

Seq. No.	31733	Seq. ID	OJ990429_08.9C23.C16
Gene No.	65661	Strand	+
Start	16242	End	17705
Name	OJ990429_08.9C23.C16.o2.gs	Method	GENSCAN

Start	16242	End	17647
GI	none	Score	.59
Exons	16242..16534, 16672..16843, 16934..17094, 17109..17526, 17633..17647		

Seq. No.	31733	Seq. ID	OJ990429_08.9C23.C16
Gene No.	65661	Strand	+
Start	16242	End	17705
Name	OJ990429_08.9C23.C16.o3.gp	Method	AAT/GAP
Start	17104	End	17705
GI	55273_1.R1084	Score	854
Exons	17104..17705		
GI Descrip.	'310775/gb\|L08874\|SYNPHSCSKV 1.0e-20 PhageScript SK cloning vector'		

Seq. No.	31733	Seq. ID	OJ990429_08.9C23.C16
Gene No.	65662	Strand	-
Start	10090	End	10313
Name	OJ990429_08.9C23.C16.o2.np	Method	AAT/NAP
Start	10090	End	10313
GI	769712	Score	169
Exons	10090..10313		
GI Descrip.	(D32052) ORF72 [Oryza sativa]		

Seq. No.	31733	Seq. ID	OJ990429_08.9C23.C16
Gene No.	65663	Strand	-
Start	18033	End	22064
Name	OJ990429_08.9C23.C16.o6.tw	Method	TBLASTX:Wheat
Start	3966	End	4349
GI	none	Score	96
Exons	3966..4148, 4191..4349, 4208..4345		

Seq. No.	31733	Seq. ID	OJ990429_08.9C23.C16
Gene No.	65663	Strand	-
Start	18033	End	22064
Name	OJ990429_08.9C23.C16.o3.tm	Method	TBLASTX:Maize
Start	4037	End	4439
GI	none	Score	91
Exons	4037..4132, 4038..4148, 4152..4439, 4184..4438		

Seq. No.	31733	Seq. ID	OJ990429_08.9C23.C16
Gene No.	65663	Strand	-
Start	18033	End	22064
Name	OJ990429_08.9C23.C16.o8.tm	Method	TBLASTX:Maize
Start	4457	End	5014
GI	none	Score	66
Exons	4457..4594, 4763..4843, 4772..5014, 4892..5014		

Seq. No.	31733	Seq. ID	OJ990429_08.9C23.C16
Gene No.	65663	Strand	-
Start	18033	End	22064
Name	OJ990429_08.9C23.C16.o2.tw	Method	TBLASTX:Wheat
Start	4832	End	5221
GI	none	Score	236
Exons	4832..5065, 4850..5059, 5060..5221		

Seq. No.	31733	Seq. ID	OJ990429_08.9C23.C16

Gene No.	65663	Strand	-
Start	18033	End	22064
Name	OJ990429_08.9C23.C16.o6.ts	Method	TBLASTX:Soybean
Start	5306	End	5701
GI	none	Score	174
Exons	5306..5506, 5531..5701		

Seq. No.	31733	Seq. ID	OJ990429_08.9C23.C16
Gene No.	65663	Strand	-
Start	18033	End	22064
Name	OJ990429_08.9C23.C16.o2.tc	Method	TBLASTX:Cress
Start	5711	End	6160
GI	none	Score	327
Exons	5711..6160		

Seq. No.	31733	Seq. ID	OJ990429_08.9C23.C16
Gene No.	65663	Strand	-
Start	18033	End	22064
Name	OJ990429_08.9C23.C16.o4.ts	Method	TBLASTX:Soybean
Start	5723	End	6142
GI	none	Score	260
Exons	5723..6142		

Seq. No.	31733	Seq. ID	OJ990429_08.9C23.C16
Gene No.	65663	Strand	-
Start	18033	End	22064
Name	OJ990429_08.9C23.C16.o7.tm	Method	TBLASTX:Maize
Start	5809	End	6139
GI	none	Score	269
Exons	5809..6135, 5816..6139		

Seq. No.	31733	Seq. ID	OJ990429_08.9C23.C16
Gene No.	65663	Strand	-
Start	18033	End	22064
Name	OJ990429_08.9C23.C16.o4.tw	Method	TBLASTX:Wheat
Start	5813	End	6160
GI	none	Score	274
Exons	5813..6160, 5944..6156		

Seq. No.	31733	Seq. ID	OJ990429_08.9C23.C16
Gene No.	65663	Strand	-
Start	18033	End	22064
Name	OJ990429_08.9C23.C16.o2.ts	Method	TBLASTX:Soybean
Start	7007	End	7464
GI	5509260	Score	106
Exons	7007..7147, 7022..7174, 7188..7247, 7189..7464, 7287..7424		
GI Descrip.	-		

Seq. No.	31733	Seq. ID	OJ990429_08.9C23.C16
Gene No.	65663	Strand	-
Start	18033	End	22064
Name	OJ990429_08.9C23.C16.o3.tc	Method	TBLASTX:Cress
Start	7121	End	7347
GI	none	Score	84
Exons	7121..7180, 7129..7179, 7189..7347, 7197..7346		

Seq. No.	31733	Seq. ID	OJ990429_08.9C23.C16

Gene No.	65663	Strand	-
Start	18033	End	22064
Name	OJ990429_08.9C23.C16.o5.tw	Method	TBLASTX:Wheat
Start	7189	End	7452
GI	none	Score	238
Exons	7189..7452, 7287..7424		

Seq. No.	31733	Seq. ID	OJ990429_08.9C23.C16
Gene No.	65663	Strand	-
Start	18033	End	22064
Name	OJ990429_08.9C23.C16.o4.tm	Method	TBLASTX:Maize
Start	7261	End	7701
GI	none	Score	293
Exons	7261..7545, 7281..7502, 7602..7661, 7606..7701		

Seq. No.	31733	Seq. ID	OJ990429_08.9C23.C16
Gene No.	65663	Strand	-
Start	18033	End	22064
Name	OJ990429_08.9C23.C16.o1.tw	Method	TBLASTX:Wheat
Start	7642	End	8080
GI	none	Score	453
Exons	7642..8079, 7645..7971, 7647..8078, 8000..8080		

Seq. No.	31733	Seq. ID	OJ990429_08.9C23.C16
Gene No.	65663	Strand	-
Start	18033	End	22064
Name	OJ990429_08.9C23.C16.o6.tm	Method	TBLASTX:Maize
Start	7761	End	7998
GI	none	Score	280
Exons	7761..7970, 7762..7998, 7771..7998		

Seq. No.	31733	Seq. ID	OJ990429_08.9C23.C16
Gene No.	65663	Strand	-
Start	18033	End	22064
Name	OJ990429_08.9C23.C16.o1.ts	Method	TBLASTX:Soybean
Start	7843	End	8439
GI	none	Score	521
Exons	7843..8439, 7845..8333, 8122..8358		

Seq. No.	31733	Seq. ID	OJ990429_08.9C23.C16
Gene No.	65663	Strand	-
Start	18033	End	22064
Name	OJ990429_08.9C23.C16.o2.tm	Method	TBLASTX:Maize
Start	8010	End	8433
GI	none	Score	136
Exons	8010..8144, 8011..8139, 8146..8433, 8146..8418		

Seq. No.	31733	Seq. ID	OJ990429_08.9C23.C16
Gene No.	65663	Strand	-
Start	18033	End	22064
Name	OJ990429_08.9C23.C16.o1.tm	Method	TBLASTX:Maize
Start	16215	End	16549
GI	none	Score	392
Exons	16215..16526, 16235..16549		

Seq. No.	31733	Seq. ID	OJ990429_08.9C23.C16
Gene No.	65663	Strand	-

Start	18033	End	22064
Name	OJ990429_08.9C23.C16.o3.tw	Method	TBLASTX:Wheat
Start	16238	End	16463
GI	none	Score	313
Exons	16238..16462, 16239..16463		

Seq. No.	31733	Seq. ID	OJ990429_08.9C23.C16
Gene No.	65663	Strand	-
Start	18033	End	22064
Name	OJ990429_08.9C23.C16.o5.ts	Method	TBLASTX:Soybean
Start	16242	End	17017
GI	none	Score	49
Exons	16242..16283, 16274..16525, 16669..16830, 16670..16846,	16278..16535, 16607..16630, 16931..17017, 16933..17016	

Seq. No.	31733	Seq. ID	OJ990429_08.9C23.C16
Gene No.	65663	Strand	-
Start	18033	End	22064
Name	OJ990429_08.9C23.C16.o3.gs	Method	GENSCAN
Start	18033	End	22064
GI	none	Score	.68
Exons	18033..18134, 18335..18523, 21842..22064	18815..19072, 20436..20461,	

Seq. No.	31733	Seq. ID	OJ990429_08.9C23.C16
Gene No.	65663	Strand	-
Start	18033	End	22064
Name	OJ990429_08.9C23.C16.o4.np	Method	AAT/NAP
Start	18081	End	19138
GI	2578818	Score	216
Exons	18081..18134, 18335..18523,	18636..18706, 18805..19138	
GI Descrip.	(AB000121) TBPIP [Mus musculus]		

Seq. No.	31733	Seq. ID	OJ990429_08.9C23.C16
Gene No.	65663	Strand	-
Start	18033	End	22064
Name	OJ990429_08.9C23.C16.o5.tm	Method	TBLASTX:Maize
Start	18642	End	19007
GI	none	Score	87
Exons	18642..18710, 18643..18708, 18894..19007	18806..18997, 18806..19006,	

Seq. No.	31733	Seq. ID	OJ990429_08.9C23.C16
Gene No.	65663	Strand	-
Start	18033	End	22064
Name	OJ990429_08.9C23.C16.o1.tc	Method	TBLASTX:Cress
Start	18806	End	19105
GI	none	Score	200
Exons	18806..19105, 18809..19057,	18897..19073	

Seq. No.	31733	Seq. ID	OJ990429_08.9C23.C16
Gene No.	65663	Strand	-
Start	18033	End	22064
Name	OJ990429_08.9C23.C16.o3.ts	Method	TBLASTX:Soybean
Start	18827	End	19096
GI	none	Score	184
Exons	18827..19096, 18900..19073,	18916..19074	

Seq. No.	31734	Seq. ID	OJ990429_08.9C23.C17
Gene No.	65664	Strand	+
Start	5608	End	6736
Name	OJ990429_08.9C23.C17.o2.gs	Method	GENSCAN
Start	5608	End	6736
GI	none	Score	.91
Exons	5608..5712, 6219..6249, 6567..6736		

Seq. No.	31734	Seq. ID	OJ990429_08.9C23.C17
Gene No.	65665	Strand	+
Start	7222	End	11675
Name	OJ990429_08.9C23.C17.o3.gs	Method	GENSCAN
Start	7222	End	11675
GI	none	Score	.89
Exons	7222..7451, 7750..7880, 8089..8170, 8658..8743, 9351..9621, 9738..9952, 10039..10767, 10853..11007, 11094..11675		

Seq. No.	31734	Seq. ID	OJ990429_08.9C23.C17
Gene No.	65665	Strand	+
Start	7222	End	11675
Name	OJ990429_08.9C23.C17.o2.np	Method	AAT/NAP
Start	9280	End	11672
GI	6911549	Score	2327
Exons	9280..9621, 9738..9952, 10039..10767, 10853..11007, 11094..11672		
GI Descrip.	(AJ249329) heat shock protein 70 [Cucumis sativus]		

Seq. No.	31734	Seq. ID	OJ990429_08.9C23.C17
Gene No.	65666	Strand	+
Start	23800	End	24224
Name	OJ990429_08.9C23.C17.o4.gp	Method	AAT/GAP
Start	23800	End	24224
GI	LIB3477-003-P1-K1-E9	Score	98
Exons	23800..23869, 24184..24224		
GI Descrip.	'2498586/sp\|Q40638\|MPO1_ORYSA 2.0e-24 MAJOR POLLEN ALLERGEN ORY S 1 PRECURSOR (ORY S I) >gi_1173557 (U31771) Ory s 1 [Oryza sativa]'		

Seq. No.	31734	Seq. ID	OJ990429_08.9C23.C17
Gene No.	65667	Strand	+
Start	27577	End	28012
Name	OJ990429_08.9C23.C17.o5.gp	Method	AAT/GAP
Start	26127	End	27897
GI	617_1.R1084	Score	1059
Exons	26127..26343, 27528..27897		
GI Descrip.	'543711/sp\|Q06967\|1433_ORYSA 1.0e-143 14-3-3-LIKE PROTEIN S94 >gi_419796_pir__S30927 14-3-3 protein homolog - rice >gi_303859_dbj_BAA03711_ (D16140) brain specific protein [Oryza sativa]'		

Seq. No.	31734	Seq. ID	OJ990429_08.9C23.C17
Gene No.	65667	Strand	+
Start	27577	End	28012
Name	OJ990429_08.9C23.C17.o5.np	Method	AAT/NAP
Start	27577	End	28012
GI	543711	Score	523
Exons	27577..28012		

GI Descrip.	14-3-3-LIKE PROTEIN S94 gi\|419796\|pir\|\|S30927 14-3-3 protein homolog - rice gi\|303859\|dbj\|BAA03711\| (D16140) brain specific protein [Oryza sativa]		
Seq. No.	31734	Seq. ID	OJ990429_08.9C23.C17
Gene No.	65667	Strand	+
Start	27577	End	28012
Name	OJ990429_08.9C23.C17.o7.gs	Method	GENSCAN
Start	27577	End	27889
GI	none	Score	.67
Exons	27577..27889		
Seq. No.	31734	Seq. ID	OJ990429_08.9C23.C17
Gene No.	65668	Strand	-
Start	606	End	4964
Name	OJ990429_08.9C23.C17.o1.gs	Method	GENSCAN
Start	606	End	4410
GI	none	Score	.69
Exons	606..794, 885..959, 1111..1202, 1432..1546, 1730..1928, 2108..2264, 2369..2441, 2609..2670, 3420..3526, 3594..4175, 4241..4410		
Seq. No.	31734	Seq. ID	OJ990429_08.9C23.C17
Gene No.	65668	Strand	-
Start	606	End	4964
Name	OJ990429_08.9C23.C17.o1.np	Method	AAT/NAP
Start	609	End	4964
GI	6729515	Score	970
Exons	609..794, 885..959, 1111..1273, 1432..1546, 1730..2021, 2108..2264, 2369..2414, 4941..4964		
GI Descrip.	(AL132966) protein kinase-like protein [Arabidopsis thaliana]		
Seq. No.	31734	Seq. ID	OJ990429_08.9C23.C17
Gene No.	65669	Strand	-
Start	12112	End	15067
Name	OJ990429_08.9C23.C17.o4.gs	Method	GENSCAN
Start	12112	End	15067
GI	none	Score	.72
Exons	12112..12602, 13561..13699, 14642..15067		
Seq. No.	31734	Seq. ID	OJ990429_08.9C23.C17
Gene No.	65669	Strand	-
Start	12112	End	15067
Name	OJ990429_08.9C23.C17.o1.gp	Method	AAT/GAP
Start	13279	End	14766
GI	4196_1.R1084	Score	1017
Exons	13279..13699, 14642..14766		
GI Descrip.	'4176420/dbj\|BAA37167\| 2.0e-11 (AB008097) cytochrome P450 [Arabidopsis thaliana]'		
Seq. No.	31734	Seq. ID	OJ990429_08.9C23.C17
Gene No.	65670	Strand	-
Start	16162	End	19282
Name	OJ990429_08.9C23.C17.o3.tw	Method	TBLASTX:Wheat
Start	549	End	751
GI	none	Score	168
Exons	549..749, 585..749, 604..750, 605..751		

Seq. No.	31734	Seq. ID	OJ990429_08.9C23.C17
Gene No.	65670	Strand	-
Start	16162	End	19282
Name	OJ990429_08.9C23.C17.o5.tc	Method	TBLASTX:Cress
Start	603	End	789
GI	none	Score	139
Exons	603..770, 604..789		

Seq. No.	31734	Seq. ID	OJ990429_08.9C23.C17
Gene No.	65670	Strand	-
Start	16162	End	19282
Name	OJ990429_08.9C23.C17.o5.tm	Method	TBLASTX:Maize
Start	603	End	1290
GI	none	Score	222
Exons	603..770, 607..792, 608..796, 610..795, 868..960, 884..961, 885..962, 885..971, 1111..1206, 1112..1210, 1209..1274, 1210..1290		

Seq. No.	31734	Seq. ID	OJ990429_08.9C23.C17
Gene No.	65670	Strand	-
Start	16162	End	19282
Name	OJ990429_08.9C23.C17.o4.ts	Method	TBLASTX:Soybean
Start	888	End	1762
GI	none	Score	68
Exons	888..971, 889..960, 1107..1175, 1111..1176, 1111..1203, 1115..1207, 1198..1269, 1209..1274, 1235..1276, 1428..1502, 1433..1546, 1433..1516, 1449..1553, 1727..1762		

Seq. No.	31734	Seq. ID	OJ990429_08.9C23.C17
Gene No.	65670	Strand	-
Start	16162	End	19282
Name	OJ990429_08.9C23.C17.o3.ts	Method	TBLASTX:Soybean
Start	1793	End	2030
GI	none	Score	211
Exons	1793..2020, 1794..2030		

Seq. No.	31734	Seq. ID	OJ990429_08.9C23.C17
Gene No.	65670	Strand	-
Start	16162	End	19282
Name	OJ990429_08.9C23.C17.o3.tc	Method	TBLASTX:Cress
Start	1825	End	2414
GI	none	Score	77
Exons	1825..2013, 1826..2020, 1830..2030, 2116..2262, 2117..2263, 2367..2414		

Seq. No.	31734	Seq. ID	OJ990429_08.9C23.C17
Gene No.	65670	Strand	-
Start	16162	End	19282
Name	OJ990429_08.9C23.C17.o6.tm	Method	TBLASTX:Maize
Start	1880	End	2241
GI	none	Score	131
Exons	1880..2011, 1880..2020, 1887..2030, 1923..2021, 2094..2237, 2105..2239, 2116..2241, 2119..2238		

Seq. No.	31734	Seq. ID	OJ990429_08.9C23.C17
Gene No.	65670	Strand	-

Start	16162	End	19282
Name	OJ990429_08.9C23.C17.o1.tc	Method	TBLASTX:Cress
Start	9376	End	11621
GI	none	Score	350
Exons	9376..9618, 9401..9622, 9721..9951, 9738..9950, 10014..10097, 10038..10163, 10043..10201, 10166..10345, 10167..10766, 10430..10693, 10816..11007, 10851..11009, 10852..11010, 11090..11305, 11091..11324, 11442..11564, 11535..11621		

Seq. No.	31734	Seq. ID	OJ990429_08.9C23.C17
Gene No.	65670	Strand	-
Start	16162	End	19282
Name	OJ990429_08.9C23.C17.o1.tm	Method	TBLASTX:Maize
Start	9377	End	11621
GI	none	Score	361
Exons	9377..9622, 9400..9615, 9512..9619, 9721..9951, 9738..9950, 10037..10201, 10038..10163, 10166..10336, 10167..10766, 10430..10693, 10816..11007, 10852..11010, 11091..11324, 11093..11305, 11202..11399, 11280..11354, 11388..11414, 11442..11564, 11535..11621		

Seq. No.	31734	Seq. ID	OJ990429_08.9C23.C17
Gene No.	65670	Strand	-
Start	16162	End	19282
Name	OJ990429_08.9C23.C17.o1.tw	Method	TBLASTX:Wheat
Start	9392	End	11522
GI	none	Score	305
Exons	9392..9622, 9400..9621, 9721..9792, 9819..9950, 9835..9951, 9877..9954, 10038..10160, 10041..10088, 10043..10207, 10178..10345, 10179..10766, 10433..10693, 10819..11022, 10852..11010, 11091..11324, 11093..11302, 11202..11399, 11388..11522		

Seq. No.	31734	Seq. ID	OJ990429_08.9C23.C17
Gene No.	65670	Strand	-
Start	16162	End	19282
Name	OJ990429_08.9C23.C17.o1.ts	Method	TBLASTX:Soybean
Start	9400	End	11621
GI	none	Score	348
Exons	9400..9615, 9401..9622, 9500..9619, 9721..9951, 9738..9950, 10038..10163, 10041..10076, 10043..10201, 10166..10345, 10167..10766, 10430..10693, 10851..10964, 10852..11010, 11090..11305, 11091..11324, 11442..11564, 11535..11621		

Seq. No.	31734	Seq. ID	OJ990429_08.9C23.C17
Gene No.	65670	Strand	-
Start	16162	End	19282
Name	OJ990429_08.9C23.C17.o7.tm	Method	TBLASTX:Maize
Start	13507	End	13710
GI	none	Score	142
Exons	13507..13581, 13523..13615, 13524..13616, 13580..13702, 13584..13709, 13620..13703, 13621..13710		

Seq. No.	31734	Seq. ID	OJ990429_08.9C23.C17
Gene No.	65670	Strand	-
Start	16162	End	19282
Name	OJ990429_08.9C23.C17.o4.tm	Method	TBLASTX:Maize

Start	14634	End	15092
GI	none	Score	118
Exons	14634..14699, 14639..14779, 14874..14915, 14881..14913, 14900..14980, 14901..14981, 15039..15092		

Seq. No.	31734	Seq. ID	OJ990429_08.9C23.C17
Gene No.	65670	Strand	-
Start	16162	End	19282
Name	OJ990429_08.9C23.C17.o5.gs	Method	GENSCAN
Start	16162	End	19260
GI	none	Score	.86
Exons	16162..16325, 16382..16476, 17629..17731, 17853..17998, 18347..18519, 18988..19036, 19109..19260		

Seq. No.	31734	Seq. ID	OJ990429_08.9C23.C17
Gene No.	65670	Strand	-
Start	16162	End	19282
Name	OJ990429_08.9C23.C17.o2.gp	Method	AAT/GAP
Start	17386	End	17963
GI	45157_1.R1084	Score	834
Exons	17386..17731, 17853..17963		
GI Descrip.	'3080436/emb\|CAA18753.1\| 5.0e-21 (AL022605) putative protein [Arabidopsis thaliana]'		

Seq. No.	31734	Seq. ID	OJ990429_08.9C23.C17
Gene No.	65670	Strand	-
Start	16162	End	19282
Name	OJ990429_08.9C23.C17.o4.tc	Method	TBLASTX:Cress
Start	17623	End	17992
GI	none	Score	82
Exons	17623..17727, 17625..17732, 17658..17732, 17854..17991, 17855..17992		

Seq. No.	31734	Seq. ID	OJ990429_08.9C23.C17
Gene No.	65670	Strand	-
Start	16162	End	19282
Name	OJ990429_08.9C23.C17.o3.tm	Method	TBLASTX:Maize
Start	17624	End	19201
GI	none	Score	153
Exons	17624..17731, 17625..17732, 17626..17733, 17854..18021, 17854..17997, 18346..18381, 18418..18522, 18419..18520, 18977..19093, 18977..19099, 18982..19110, 18982..19191, 19163..19201		

Seq. No.	31734	Seq. ID	OJ990429_08.9C23.C17
Gene No.	65670	Strand	-
Start	16162	End	19282
Name	OJ990429_08.9C23.C17.o3.np	Method	AAT/NAP
Start	17628	End	19282
GI	3080436	Score	468
Exons	17628..17731, 17853..17998, 18392..18519, 18988..19182, 19232..19282		
GI Descrip.	(AL022605) putative protein [Arabidopsis thaliana]		

Seq. No.	31734	Seq. ID	OJ990429_08.9C23.C17
Gene No.	65670	Strand	-
Start	16162	End	19282

Name	OJ990429_08.9C23.C17.o3.gp	Method	AAT/GAP
Start	18416	End	18521
GI	uC-osflcyp142h03b1	Score	169
Exons	18416..18521		
GI Descrip.	'3080436/emb\|CAA18753.1\| 2.0e-21 (AL022605) putative protein [Arabidopsis thaliana]'		

Seq. No.	31734	Seq. ID	OJ990429_08.9C23.C17
Gene No.	65671	Strand	
Start	27559	End	27897
Name	OJ990429_08.9C23.C17.o2.tw	Method	TBLASTX:Wheat
Start	27559	End	27897
GI	none	Score	526
Exons	27559..27897, 27560..27895, 27832..27897		

Seq. No.	31734	Seq. ID	OJ990429_08.9C23.C17
Gene No.	65671	Strand	
Start	27559	End	27897
Name	OJ990429_08.9C23.C17.o2.tm	Method	TBLASTX:Maize
Start	27574	End	27897
GI	none	Score	453
Exons	27574..27897, 27576..27830, 27599..27895, 27832..27897		

Seq. No.	31734	Seq. ID	OJ990429_08.9C23.C17
Gene No.	65671	Strand	
Start	27559	End	27897
Name	OJ990429_08.9C23.C17.o2.ts	Method	TBLASTX:Soybean
Start	27586	End	27897
GI	none	Score	457
Exons	27586..27897, 27595..27756, 27602..27889, 27841..27897		

Seq. No.	31734	Seq. ID	OJ990429_08.9C23.C17
Gene No.	65671	Strand	
Start	27559	End	27897
Name	OJ990429_08.9C23.C17.o2.tc	Method	TBLASTX:Cress
Start	27592	End	27897
GI	none	Score	445
Exons	27592..27897, 27595..27759, 27605..27802		

Seq. No.	31735	Seq. ID	OJ990429_08.9C23.C19
Gene No.	65672	Strand	+
Start	164	End	561
Name	OJ990429_08.9C23.C19.o1.gp	Method	AAT/GAP
Start	164	End	561
GI	none	Score	547
Exons	164..389, 476..561		

Seq. No.	31735	Seq. ID	OJ990429_08.9C23.C19
Gene No.	65673	Strand	-
Start	261	End	561
Name	OJ990429_08.9C23.C19.o1.gs	Method	GENSCAN
Start	261	End	407
GI	none	Score	.44
Exons	261..407		

Seq. No.	31735	Seq. ID	OJ990429_08.9C23.C19
Gene No.	65673	Strand	-

Start	261	End	561
Name	OJ990429_08.9C23.C19.o1.tm	Method	TBLASTX:Maize
Start	268	End	561
GI	none	Score	191
Exons	268..390, 270..392, 271..390, 358..387, 467..559, 468..560,	274..339, 279..398, 343..384, 468..503, 468..539, 505..561	

Seq. No.	31736	Seq. ID	OJ990429_08.9C23.C20
Gene No.	65674	Strand	+
Start	50	End	71
Name	OJ990429_08.9C23.C20.o1.gs	Method	GENSCAN
Start	50	End	71
GI	none	Score	.66
Exons	50..71		

Seq. No.	31737	Seq. ID	OJ990429_08.9C23.C22
Gene No.	65675	Strand	+
Start	101	End	149
Name	OJ990429_08.9C23.C22.o1.gs	Method	GENSCAN
Start	101	End	149
GI	none	Score	.85
Exons	101..149		

Seq. No.	31737	Seq. ID	OJ990429_08.9C23.C22
Gene No.	65676	Strand	-
Start	58	End	245
Name	OJ990429_08.9C23.C22.o1.gp	Method	AAT/GAP
Start	58	End	245
GI	none	Score	324
Exons	58..245		

Seq. No.	31738	Seq. ID	OJ990429_08.9C23.C24
Gene No.	65677	Strand	+
Start	310	End	554
Name	OJ990429_08.9C23.C24.o1.gs	Method	GENSCAN
Start	310	End	554
GI	none	Score	.41
Exons	310..554		

Seq. No.	31739	Seq. ID	OJ990429_08.9C23.C25
Gene No.	65678	Strand	-
Start	1	End	615
Name	OJ990429_08.9C23.C25.o1.np	Method	AAT/NAP
Start	1	End	615
GI	3080436	Score	95
Exons	1..49, 97..199, 580..615		
GI Descrip.	(AL022605) putative protein [Arabidopsis thaliana]		

Seq. No.	31739	Seq. ID	OJ990429_08.9C23.C25
Gene No.	65678	Strand	-
Start	1	End	615
Name	OJ990429_08.9C23.C25.o1.tm	Method	TBLASTX:Maize
Start	88	End	205
GI	none	Score	154
Exons	88..162, 98..205, 98..205		

Seq. No.	31739	Seq. ID	OJ990429_08.9C23.C25

Gene No.	65678	Strand	-
Start	1	End	615
Name	OJ990429_08.9C23.C25.o1.gp	Method	AAT/GAP
Start	97	End	203
GI	45157_1.R1084	Score	160
Exons	97..203		
GI Descrip.	'3080436/emb\|CAA18753.1\| 5.0e-21 (AL022605) putative protein [Arabidopsis thaliana]'		

Seq. No.	31739	Seq. ID	OJ990429_08.9C23.C25
Gene No.	65678	Strand	-
Start	1	End	615
Name	OJ990429_08.9C23.C25.o1.gs	Method	GENSCAN
Start	97	End	179
GI	none	Score	.41
Exons	97..179		

Seq. No.	31740	Seq. ID	OJ990429_08.9C23.C26
Gene No.	65679	Strand	-
Start	1	End	547
Name	OJ990429_08.9C23.C26.o1.np	Method	AAT/NAP
Start	1	End	547
GI	2586082	Score	660
Exons	1..547		
GI Descrip.	(U72725) retrofit [Oryza longistaminata]		

Seq. No.	31740	Seq. ID	OJ990429_08.9C23.C26
Gene No.	65679	Strand	-
Start	1	End	547
Name	OJ990429_08.9C23.C26.o1.tm	Method	TBLASTX:Maize
Start	33	End	346
GI	none	Score	95
Exons	33..134, 113..346, 114..338		

Seq. No.	31740	Seq. ID	OJ990429_08.9C23.C26
Gene No.	65679	Strand	-
Start	1	End	547
Name	OJ990429_08.9C23.C26.o1.gs	Method	GENSCAN
Start	89	End	480
GI	none	Score	.82
Exons	89..279, 399..480		

Seq. No.	31740	Seq. ID	OJ990429_08.9C23.C26
Gene No.	65679	Strand	-
Start	1	End	547
Name	OJ990429_08.9C23.C26.o1.ts	Method	TBLASTX:Soybean
Start	113	End	528
GI	5509260	Score	77
Exons	113..346, 114..248, 288..347, 361..513, 388..528		
GI Descrip.	-		

Seq. No.	31740	Seq. ID	OJ990429_08.9C23.C26
Gene No.	65679	Strand	-
Start	1	End	547
Name	OJ990429_08.9C23.C26.o1.tw	Method	TBLASTX:Wheat
Start	113	End	346
GI	none	Score	74

Exons	113..346, 114..248		
Seq. No.	31740	Seq. ID	OJ990429_08.9C23.C26
Gene No.	65679	Strand	-
Start	1	End	547
Name	OJ990429_08.9C23.C26.o1.tc	Method	TBLASTX:Cress
Start	188	End	414
GI	none	Score	55
Exons	188..346, 189..338, 355..414, 356..406		
Seq. No.	31741	Seq. ID	OJ990519_04.9C01.C1
Gene No.	65680	Strand	-
Start	175	End	345
Name	OJ990519_04.9C01.C1.o1.gs	Method	GENSCAN
Start	175	End	345
GI	none	Score	.54
Exons	175..345		
Seq. No.	31742	Seq. ID	OJ990519_04.9C01.C3
Gene No.	65681	Strand	+
Start	1	End	612
Name	OJ990519_04.9C01.C3.o1.np	Method	AAT/NAP
Start	1	End	612
GI	6721512	Score	88
Exons	1..23, 434..612		
GI Descrip.	(AP001072) hypothetical protein [Oryza sativa]		
Seq. No.	31743	Seq. ID	OJ990519_04.9C01.C4
Gene No.	65682	Strand	-
Start	282	End	1116
Name	OJ990519_04.9C01.C4.o1.gs	Method	GENSCAN
Start	282	End	1116
GI	none	Score	.71
Exons	282..368, 1040..1116		
Seq. No.	31744	Seq. ID	OJ990519_04.9C01.C8
Gene No.	65683	Strand	+
Start	3404	End	7459
Name	OJ990519_04.9C01.C8.o1.np	Method	AAT/NAP
Start	3404	End	7459
GI	6063554	Score	329
Exons	3404..3531, 5722..6015, 6133..6360, 7285..7459		
GI Descrip.	(AP000615) ESTs AU075609(C63344),C71850(E0464),C98611(E0464) correspond to a region of the predicted gene.; hypothetical protein [Oryza sativa]		
Seq. No.	31744	Seq. ID	OJ990519_04.9C01.C8
Gene No.	65683	Strand	+
Start	3404	End	7459
Name	OJ990519_04.9C01.C8.o1.gs	Method	GENSCAN
Start	3925	End	5373
GI	none	Score	.94
Exons	3925..4031, 4070..4190, 4749..4892, 4978..5373		
Seq. No.	31744	Seq. ID	OJ990519_04.9C01.C8
Gene No.	65684	Strand	+
Start	8878	End	9005

Name	OJ990519_04.9C01.C8.o2.np	Method	AAT/NAP
Start	8878	End	9005
GI	4512229	Score	144
Exons	8878..9005		
GI Descrip.	(AB014740) ORF0 protein [Oryza sativa]		

Seq. No.	31744	Seq. ID	OJ990519_04.9C01.C8
Gene No.	65685	Strand	-
Start	5718	End	7270
Name	OJ990519_04.9C01.C8.o2.gs	Method	GENSCAN
Start	5718	End	7270
GI	none	Score	.47
Exons	5718..5847, 6024..6394, 6636..6757, 7192..7270		

Seq. No.	31744	Seq. ID	OJ990519_04.9C01.C8
Gene No.	65686	Strand	-
Start	7949	End	8113
Name	OJ990519_04.9C01.C8.o1.gp	Method	AAT/GAP
Start	7949	End	8113
GI	3106931	Score	224
Exons	7949..8113		
GI Descrip.	4680335/gb\|AF128457.1\|AF128457 2.0e-28 Oryza sativa subsp. indica BAC clone 16F19 php20725 region, complete sequence		

Seq. No.	31745	Seq. ID	OJ990519_04.9C01.C9
Gene No.	65687	Strand	+
Start	1	End	3732
Name	OJ990519_04.9C01.C9.o1.np	Method	AAT/NAP
Start	1	End	3732
GI	4680179	Score	4167
Exons	1..99, 624..3732		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	31745	Seq. ID	OJ990519_04.9C01.C9
Gene No.	65687	Strand	+
Start	1	End	3732
Name	OJ990519_04.9C01.C9.o1.gs	Method	GENSCAN
Start	72	End	3729
GI	none	Score	.61
Exons	72..158, 572..611, 1015..1607, 1706..2123, 2954..3729		

Seq. No.	31745	Seq. ID	OJ990519_04.9C01.C9
Gene No.	65688	Strand	-
Start	4044	End	4579
Name	OJ990519_04.9C01.C9.o2.gs	Method	GENSCAN
Start	4044	End	4579
GI	none	Score	.9
Exons	4044..4181, 4478..4579		

Seq. No.	31745	Seq. ID	OJ990519_04.9C01.C9
Gene No.	65689	Strand	-
Start	4813	End	9337
Name	OJ990519_04.9C01.C9.o3.tw	Method	TBLASTX:Wheat
Start	909	End	1386
GI	none	Score	90
Exons	909..1019, 913..1002, 1017..1385, 1019..1342, 1024..1386, 1032..1343		

Seq. No.	31745	Seq. ID	OJ990519_04.9C01.C9
Gene No.	65689	Strand	-
Start	4813	End	9337
Name	OJ990519_04.9C01.C9.o4.tm	Method	TBLASTX:Maize
Start	1023	End	1415
GI	none	Score	336
Exons	1023..1415		

Seq. No.	31745	Seq. ID	OJ990519_04.9C01.C9
Gene No.	65689	Strand	-
Start	4813	End	9337
Name	OJ990519_04.9C01.C9.o1.ts	Method	TBLASTX:Soybean
Start	1326	End	1717
GI	none	Score	54
Exons	1326..1358, 1326..1358, 1362..1415, 1362..1646, 1470..1646, 1640..1717		

Seq. No.	31745	Seq. ID	OJ990519_04.9C01.C9
Gene No.	65689	Strand	-
Start	4813	End	9337
Name	OJ990519_04.9C01.C9.o6.tw	Method	TBLASTX:Wheat
Start	1434	End	1735
GI	none	Score	220
Exons	1434..1637, 1473..1646, 1481..1645, 1639..1734, 1640..1735		

Seq. No.	31745	Seq. ID	OJ990519_04.9C01.C9
Gene No.	65689	Strand	-
Start	4813	End	9337
Name	OJ990519_04.9C01.C9.o5.tm	Method	TBLASTX:Maize
Start	1470	End	1801
GI	none	Score	157
Exons	1470..1646, 1523..1645, 1639..1800, 1640..1801		

Seq. No.	31745	Seq. ID	OJ990519_04.9C01.C9
Gene No.	65689	Strand	-
Start	4813	End	9337
Name	OJ990519_04.9C01.C9.o2.tw	Method	TBLASTX:Wheat
Start	1736	End	2161
GI	none	Score	564
Exons	1736..2161, 1738..2154, 1811..2161		

Seq. No.	31745	Seq. ID	OJ990519_04.9C01.C9
Gene No.	65689	Strand	-
Start	4813	End	9337
Name	OJ990519_04.9C01.C9.o3.ts	Method	TBLASTX:Soybean
Start	1742	End	1990
GI	none	Score	193
Exons	1742..1990, 1777..1971		

Seq. No.	31745	Seq. ID	OJ990519_04.9C01.C9
Gene No.	65689	Strand	-
Start	4813	End	9337
Name	OJ990519_04.9C01.C9.o2.tm	Method	TBLASTX:Maize
Start	1808	End	2161
GI	none	Score	446
Exons	1808..2161, 1813..2076, 1814..2146		

Seq. No.	31745	Seq. ID	OJ990519_04.9C01.C9
Gene No.	65689	Strand	-
Start	4813	End	9337
Name	OJ990519_04.9C01.C9.o4.tw	Method	TBLASTX:Wheat
Start	2192	End	2722
GI	none	Score	83
Exons	2192..2311, 2298..2528, 2318..2527, 2531..2710, 2534..2722, 2542..2721		

Seq. No.	31745	Seq. ID	OJ990519_04.9C01.C9
Gene No.	65689	Strand	-
Start	4813	End	9337
Name	OJ990519_04.9C01.C9.o2.ts	Method	TBLASTX:Soybean
Start	2534	End	2770
GI	none	Score	258
Exons	2534..2770, 2542..2769		

Seq. No.	31745	Seq. ID	OJ990519_04.9C01.C9
Gene No.	65689	Strand	-
Start	4813	End	9337
Name	OJ990519_04.9C01.C9.o3.tm	Method	TBLASTX:Maize
Start	2568	End	2860
GI	none	Score	119
Exons	2568..2840, 2569..2856, 2570..2860		

Seq. No.	31745	Seq. ID	OJ990519_04.9C01.C9
Gene No.	65689	Strand	-
Start	4813	End	9337
Name	OJ990519_04.9C01.C9.o1.tw	Method	TBLASTX:Wheat
Start	2729	End	3354
GI	none	Score	310
Exons	2729..3001, 2785..3000, 3001..3354, 3007..3348, 3270..3353		

Seq. No.	31745	Seq. ID	OJ990519_04.9C01.C9
Gene No.	65689	Strand	-
Start	4813	End	9337
Name	OJ990519_04.9C01.C9.o1.tm	Method	TBLASTX:Maize
Start	2909	End	3492
GI	none	Score	134
Exons	2909..3001, 2917..3009, 2917..3000, 2974..3069, 3003..3062, 3066..3227, 3067..3492, 3181..3483, 3279..3491		

Seq. No.	31745	Seq. ID	OJ990519_04.9C01.C9
Gene No.	65689	Strand	-
Start	4813	End	9337
Name	OJ990519_04.9C01.C9.o5.tw	Method	TBLASTX:Wheat
Start	3355	End	3687
GI	none	Score	356
Exons	3355..3687, 3358..3471, 3447..3494		

Seq. No.	31745	Seq. ID	OJ990519_04.9C01.C9
Gene No.	65689	Strand	-
Start	4813	End	9337
Name	OJ990519_04.9C01.C9.o7.tw	Method	TBLASTX:Wheat
Start	4784	End	5533
GI	none	Score	87

Exons	4784..4951, 4804..4959, 4814..4960, 4949..5092, 4960..5097, 5479..5526, 5480..5533		
Seq. No.	31745	Seq. ID	OJ990519_04.9C01.C9
Gene No.	65689	Strand	-
Start	4813	End	9337
Name	OJ990519_04.9C01.C9.o6.tm	Method	TBLASTX:Maize
Start	4810	End	5068
GI	none	Score	137
Exons	4810..5067, 4811..5068		
Seq. No.	31745	Seq. ID	OJ990519_04.9C01.C9
Gene No.	65689	Strand	-
Start	4813	End	9337
Name	OJ990519_04.9C01.C9.o3.gs	Method	GENSCAN
Start	4813	End	9337
GI	none	Score	.57
Exons	4813..5103, 5473..5721, 5898..6038, 7512..7714, 8227..8488, 9281..9337		
Seq. No.	31745	Seq. ID	OJ990519_04.9C01.C9
Gene No.	65689	Strand	-
Start	4813	End	9337
Name	OJ990519_04.9C01.C9.o2.np	Method	AAT/NAP
Start	4816	End	8495
GI	1363377	Score	521
Exons	4816..5098, 5468..5721, 5898..6033, 6626..6844, 7336..7714, 8227..8495		
GI Descrip.	vetispiradiene synthase 1 - Hyoscyamus muticus (fragment) gi\|763423 (U20188) vetispiradiene synthase [Hyoscyamus muticus]		
Seq. No.	31745	Seq. ID	OJ990519_04.9C01.C9
Gene No.	65689	Strand	-
Start	4813	End	9337
Name	OJ990519_04.9C01.C9.o7.tm	Method	TBLASTX:Maize
Start	5440	End	7613
GI	none	Score	108
Exons	5440..5709, 5489..5701, 5901..6029, 6625..6849, 6628..6843, 7338..7613		
Seq. No.	31746	Seq. ID	OJ990519_04.9C01.C10
Gene No.	65690	Strand	+
Start	982	End	1160
Name	OJ990519_04.9C01.C10.o1.gp	Method	AAT/GAP
Start	982	End	1160
GI	15870_2.R1084	Score	247
Exons	982..1160		
GI Descrip.	'287403/dbj\|D10838\|RICSBE1 8.0e-69 Rice gene for starch branching enzyme'		
Seq. No.	31746	Seq. ID	OJ990519_04.9C01.C10
Gene No.	65691	Strand	-
Start	1354	End	4233
Name	OJ990519_04.9C01.C10.o1.np	Method	AAT/NAP
Start	1354	End	4233
GI	3319345	Score	525
Exons	1354..1376, 2806..3706, 3783..4233		

GI Descrip.	(AF077407) contains similarity to maize transposon MuDR (GB:M76978) [Arabidopsis thaliana]		
Seq. No.	31746	Seq. ID	OJ990519_04.9C01.C10
Gene No.	65691	Strand	-
Start	1354	End	4233
Name	OJ990519_04.9C01.C10.o1.tm	Method	TBLASTX:Maize
Start	2963	End	3664
GI	none	Score	47
Exons	2963..3058, 3095..3166, 3233..3577, 3629..3664		
Seq. No.	31747	Seq. ID	OJ990519_04.9C01.C11
Gene No.	65692	Strand	-
Start	1	End	2229
Name	OJ990519_04.9C01.C11.o1.np	Method	AAT/NAP
Start	1	End	228
GI	6175165	Score	119
Exons	1..228		
GI Descrip.	(AC011437) Mutator-like transposase [Arabidopsis thaliana]		
Seq. No.	31747	Seq. ID	OJ990519_04.9C01.C11
Gene No.	65692	Strand	-
Start	1	End	2229
Name	OJ990519_04.9C01.C11.o1.gs	Method	GENSCAN
Start	106	End	2229
GI	none	Score	.65
Exons	106..921, 1915..1998, 2044..2229		
Seq. No.	31748	Seq. ID	OJ990519_04.9C01.C12
Gene No.	65693	Strand	+
Start	474	End	645
Name	OJ990519_04.9C01.C12.o1.gs	Method	GENSCAN
Start	474	End	645
GI	none	Score	.97
Exons	474..645		
Seq. No.	31748	Seq. ID	OJ990519_04.9C01.C12
Gene No.	65694	Strand	-
Start	1	End	5686
Name	OJ990519_04.9C01.C12.o2.np	Method	AAT/NAP
Start	1	End	5686
GI	6705984	Score	423
Exons	1..248, 2803..3285, 5610..5686		
GI Descrip.	(AB033235) gag-pol polyprotein [Oryza sativa]		
Seq. No.	31748	Seq. ID	OJ990519_04.9C01.C12
Gene No.	65694	Strand	-
Start	1	End	5686
Name	OJ990519_04.9C01.C12.o1.np	Method	AAT/NAP
Start	931	End	2721
GI	6498436	Score	387
Exons	931..1128, 1348..1535, 1780..1891, 1991..2468, 2517..2721		
GI Descrip.	(AP000815) hypothetical protein [Oryza sativa]		
Seq. No.	31748	Seq. ID	OJ990519_04.9C01.C12
Gene No.	65694	Strand	-
Start	1	End	5686

Name	OJ990519_04.9C01.C12.o2.gs	Method	GENSCAN
Start	1470	End	3375
GI	none	Score	.6
Exons	1470..1553, 1871..2067, 2517..3375		

Seq. No.	31748	Seq. ID	OJ990519_04.9C01.C12
Gene No.	65695	Strand	-
Start	6771	End	7190
Name	OJ990519_04.9C01.C12.o1.tm	Method	TBLASTX:Maize
Start	2815	End	3049
GI	none	Score	76
Exons	2815..3048, 2915..3049		

Seq. No.	31748	Seq. ID	OJ990519_04.9C01.C12
Gene No.	65695	Strand	-
Start	6771	End	7190
Name	OJ990519_04.9C01.C12.o1.ts	Method	TBLASTX:Soybean
Start	2818	End	3237
GI	none	Score	50
Exons	2818..2976, 2855..2935, 2968..3180, 2968..3237		

Seq. No.	31748	Seq. ID	OJ990519_04.9C01.C12
Gene No.	65695	Strand	-
Start	6771	End	7190
Name	OJ990519_04.9C01.C12.o1.tw	Method	TBLASTX:Wheat
Start	2830	End	3285
GI	none	Score	85
Exons	2830..3000, 2849..2989, 2907..3014, 2935..2991, 3007..3285, 3019..3165		

Seq. No.	31748	Seq. ID	OJ990519_04.9C01.C12
Gene No.	65695	Strand	-
Start	6771	End	7190
Name	OJ990519_04.9C01.C12.o3.gs	Method	GENSCAN
Start	6771	End	7190
GI	none	Score	.51
Exons	6771..7190		

Seq. No.	31749	Seq. ID	OJ990519_04.9C01.C13
Gene No.	65696	Strand	-
Start	1274	End	1450
Name	OJ990519_04.9C01.C13.o1.gs	Method	GENSCAN
Start	1274	End	1450
GI	none	Score	.45
Exons	1274..1450		

Seq. No.	31750	Seq. ID	OJ990519_04.9C01.C14
Gene No.	65697	Strand	+
Start	363	End	1614
Name	OJ990519_04.9C01.C14.o1.gs	Method	GENSCAN
Start	363	End	1614
GI	none	Score	.43
Exons	363..466, 1098..1614		

Seq. No.	31750	Seq. ID	OJ990519_04.9C01.C14
Gene No.	65698	Strand	+
Start	1565	End	2088

Name	OJ990519_04.9C01.C14.o1.gp	Method	AAT/GAP
Start	1565	End	2088
GI	none	Score	1000
Exons	1565..2088		

Seq. No.	31750	Seq. ID	OJ990519_04.9C01.C14
Gene No.	65699	Strand	+
Start	2962	End	5136
Name	OJ990519_04.9C01.C14.o2.gs	Method	GENSCAN
Start	2962	End	5136
GI	none	Score	.48
Exons	2962..3242, 4767..4919, 5028..5136		

Seq. No.	31750	Seq. ID	OJ990519_04.9C01.C14
Gene No.	65700	Strand	-
Start	549	End	1330
Name	OJ990519_04.9C01.C14.o1.np	Method	AAT/NAP
Start	549	End	1330
GI	539029	Score	89
Exons	549..624, 1184..1330		
GI Descrip.	cysteine-rich extensin-like protein 1 precursor - common tobacco gi\|310923 (L13439) cysteine-rich extensin-like protein-1 [Nicotiana tabacum]		

Seq. No.	31750	Seq. ID	OJ990519_04.9C01.C14
Gene No.	65701	Strand	-
Start	6163	End	7439
Name	OJ990519_04.9C01.C14.o3.gs	Method	GENSCAN
Start	6163	End	7439
GI	none	Score	.74
Exons	6163..6183, 6493..6651, 6932..7147, 7434..7439		

Seq. No.	31750	Seq. ID	OJ990519_04.9C01.C14
Gene No.	65701	Strand	-
Start	6163	End	7439
Name	OJ990519_04.9C01.C14.o1.tw	Method	TBLASTX:Wheat
Start	6355	End	6645
GI	none	Score	70
Exons	6355..6504, 6365..6439, 6458..6640, 6508..6642, 6508..6645		

Seq. No.	31750	Seq. ID	OJ990519_04.9C01.C14
Gene No.	65701	Strand	-
Start	6163	End	7439
Name	OJ990519_04.9C01.C14.o1.tm	Method	TBLASTX:Maize
Start	6371	End	6621
GI	none	Score	109
Exons	6371..6616, 6373..6615, 6376..6621		

Seq. No.	31750	Seq. ID	OJ990519_04.9C01.C14
Gene No.	65701	Strand	-
Start	6163	End	7439
Name	OJ990519_04.9C01.C14.o2.tm	Method	TBLASTX:Maize
Start	6932	End	7192
GI	none	Score	34
Exons	6932..7000, 6944..6991, 6972..7178, 6989..7192, 7004..7189		

Seq. No.	31751	Seq. ID	OJ990519_04.9C01.C15

Gene No.	65702	Strand	-
Start	1	End	2488
Name	OJ990519_04.9C01.C15.o1.np	Method	AAT/NAP
Start	1	End	2488
GI	3287832	Score	503
Exons	1..24, 403..534, 626..844, 1093..1471, 1815..2053, 2343..2488		
GI Descrip.	(+)-DELTA-CADINENE SYNTHASE (D-CADINENE SYNTHASE) gi\|1843647 (U88318) (+)-delta-cadinene synthase [Gossypium hirsutum]		

Seq. No.	31751	Seq. ID	OJ990519_04.9C01.C15
Gene No.	65702	Strand	-
Start	1	End	2488
Name	OJ990519_04.9C01.C15.o1.tm	Method	TBLASTX:Maize
Start	383	End	1454
GI	none	Score	80
Exons	383..523, 393..512, 622..846, 631..843, 717..851, 1182..1280, 1284..1451, 1290..1454		

Seq. No.	31751	Seq. ID	OJ990519_04.9C01.C15
Gene No.	65702	Strand	-
Start	1	End	2488
Name	OJ990519_04.9C01.C15.o1.gs	Method	GENSCAN
Start	399	End	2058
GI	none	Score	.63
Exons	399..534, 626..844, 1093..1381, 1815..2058		

Seq. No.	31751	Seq. ID	OJ990519_04.9C01.C15
Gene No.	65702	Strand	-
Start	1	End	2488
Name	OJ990519_04.9C01.C15.o1.ts	Method	TBLASTX:Soybean
Start	435	End	1271
GI	none	Score	116
Exons	435..536, 622..843, 1083..1271		

Seq. No.	31752	Seq. ID	OJ990519_04.9C01.C16
Gene No.	65703	Strand	+
Start	3339	End	13118
Name	OJ990519_04.9C01.C16.o2.gs	Method	GENSCAN
Start	3339	End	12968
GI	none	Score	.49
Exons	3339..3666, 3774..3953, 5630..5754, 6575..6700, 7831..8092, 8949..9248, 9259..9558, 10558..10936, 11173..11391, 11489..11624, 12177..12392, 12678..12968		

Seq. No.	31752	Seq. ID	OJ990519_04.9C01.C16
Gene No.	65703	Strand	+
Start	3339	End	13118
Name	OJ990519_04.9C01.C16.o1.np	Method	AAT/NAP
Start	8285	End	12965
GI	3287826	Score	666
Exons	8285..8425, 9820..10069, 10558..10936, 11173..11391, 11489..11624, 12147..12401, 12687..12965		
GI Descrip.	(+)-DELTA-CADINENE SYNTHASE ISOZYME C2 (D-CADINENE SYNTHASE) gi\|2879841\|emb\|CAA76223.1\| (Y16432) (+)-delta-cadinene synthase [Gossypium arboreum]		

Seq. No.	31752	Seq. ID	OJ990519_04.9C01.C16

Gene No.	65703	Strand	+
Start	3339	End	13118
Name	OJ990519_04.9C01.C16.o2.gp	Method	AAT/GAP
Start	8364	End	10770
GI	LIB3431-062-P1-K1-B3	Score	917
Exons	8364..8425, 9811..10069, 10558..10770		
GI Descrip.	'4733937/gb\|AAC31570.2\| 8.0e-23 (AF080245) sesquiterpene synthase [Elaeis oleifera]'		

Seq. No.	31752	Seq. ID	OJ990519_04.9C01.C16
Gene No.	65703	Strand	+
Start	3339	End	13118
Name	OJ990519_04.9C01.C16.o3.gp	Method	AAT/GAP
Start	12339	End	13118
GI	LIB3431-062-P1-N1-B3	Score	966
Exons	12339..12392, 12678..13118		
GI Descrip.	'3108343 1.0e-10 (AF061285) sesquiterpene cyclase [Capsicum annuum]'		

Seq. No.	31752	Seq. ID	OJ990519_04.9C01.C16
Gene No.	65704	Strand	+
Start	15323	End	15411
Name	OJ990519_04.9C01.C16.o5.gp	Method	AAT/GAP
Start	15323	End	15411
GI	none	Score	130
Exons	15323..15411		

Seq. No.	31752	Seq. ID	OJ990519_04.9C01.C16
Gene No.	65705	Strand	-
Start	842	End	2797
Name	OJ990519_04.9C01.C16.o1.gs	Method	GENSCAN
Start	842	End	2797
GI	none	Score	.71
Exons	842..1012, 2603..2797		

Seq. No.	31752	Seq. ID	OJ990519_04.9C01.C16
Gene No.	65706	Strand	-
Start	5807	End	6146
Name	OJ990519_04.9C01.C16.o1.gp	Method	AAT/GAP
Start	5807	End	6146
GI	LIB3433-030-P1-K1-C12	Score	666
Exons	5807..6146		
GI Descrip.	'4176420/dbj\|BAA37167\| 2.0e-11 (AB008097) cytochrome P450 [Arabidopsis thaliana]'		

Seq. No.	31752	Seq. ID	OJ990519_04.9C01.C16
Gene No.	65707	Strand	-
Start	15177	End	15874
Name	OJ990519_04.9C01.C16.o1.tc	Method	TBLASTX:Cress
Start	10563	End	10925
GI	none	Score	206
Exons	10563..10925		

Seq. No.	31752	Seq. ID	OJ990519_04.9C01.C16
Gene No.	65707	Strand	-
Start	15177	End	15874
Name	OJ990519_04.9C01.C16.o1.tm	Method	TBLASTX:Maize

Start	10652	End	12329
GI	none	Score	214
Exons	10652..10939, 10659..10934, 11174..11392, 11174..11239, 11338..11391, 11493..11621, 11495..11611, 12126..12329, 12170..12328		

Seq. No.	31752	Seq. ID	OJ990519_04.9C01.C16
Gene No.	65707	Strand	-
Start	15177	End	15874
Name	OJ990519_04.9C01.C16.o2.tm	Method	TBLASTX:Maize
Start	12663	End	12950
GI	none	Score	230
Exons	12663..12950, 12687..12908		

Seq. No.	31752	Seq. ID	OJ990519_04.9C01.C16
Gene No.	65707	Strand	-
Start	15177	End	15874
Name	OJ990519_04.9C01.C16.o1.tw	Method	TBLASTX:Wheat
Start	12684	End	12979
GI	none	Score	159
Exons	12684..12821, 12687..12821, 12688..12825, 12825..12968, 12890..12964, 12899..12979		

Seq. No.	31752	Seq. ID	OJ990519_04.9C01.C16
Gene No.	65707	Strand	-
Start	15177	End	15874
Name	OJ990519_04.9C01.C16.o4.gp	Method	AAT/GAP
Start	13700	End	14781
GI	none	Score	966
Exons	13700..14164, 14196..14244, 14707..14781		

Seq. No.	31752	Seq. ID	OJ990519_04.9C01.C16
Gene No.	65707	Strand	-
Start	15177	End	15874
Name	OJ990519_04.9C01.C16.o3.gs	Method	GENSCAN
Start	15177	End	15874
GI	none	Score	.51
Exons	15177..15278, 15345..15409, 15666..15874		

Seq. No.	31753	Seq. ID	OJ990519_04.9C01.C17
Gene No.	65708	Strand	+
Start	1950	End	2107
Name	OJ990519_04.9C01.C17.o1.gp	Method	AAT/GAP
Start	1950	End	2107
GI	83529_1.R1084	Score	239
Exons	1950..2107		
GI Descrip.	'4521194/dbj\|AB013613.1\|AB013613 6.0e-79 Oryza sativa DNA, centromere sequence RCB11'		

Seq. No.	31753	Seq. ID	OJ990519_04.9C01.C17
Gene No.	65709	Strand	-
Start	779	End	1045
Name	OJ990519_04.9C01.C17.o1.gs	Method	GENSCAN
Start	779	End	1045
GI	none	Score	.93
Exons	779..1045		

Seq. No.	31754	Seq. ID	OJ990519_04.9C01.C18
Gene No.	65710	Strand	+
Start	1	End	641
Name	OJ990519_04.9C01.C18.o1.gp	Method	AAT/GAP
Start	1	End	641
GI	83529_1.R1084	Score	1120
Exons	1..641		
GI Descrip.	'4521194/dbj\|AB013613.1\|AB013613 6.0e-79 Oryza sativa DNA, centromere sequence RCB11'		

Seq. No.	31754	Seq. ID	OJ990519_04.9C01.C18
Gene No.	65711	Strand	+
Start	6395	End	7803
Name	OJ990519_04.9C01.C18.o2.gs	Method	GENSCAN
Start	6395	End	7803
GI	none	Score	.88
Exons	6395..6476, 6585..6970, 7030..7210, 7240..7425, 7713..7803		

Seq. No.	31754	Seq. ID	OJ990519_04.9C01.C18
Gene No.	65712	Strand	-
Start	1471	End	3430
Name	OJ990519_04.9C01.C18.o1.gs	Method	GENSCAN
Start	1471	End	3430
GI	none	Score	.92
Exons	1471..1716, 2040..2191, 2337..2453, 2596..2773, 3428..3430		

Seq. No.	31754	Seq. ID	OJ990519_04.9C01.C18
Gene No.	65713	Strand	
Start	3764	End	5933
Name	OJ990519_04.9C01.C18.o1.tm	Method	TBLASTX:Maize
Start	3764	End	5933
GI	none	Score	68
Exons	3764..3877, 3766..3891, 3772..3882, 3774..3893, 3775..3879, 3783..3890, 3791..3889, 3792..3890, 3800..3892, 3801..3893, 5266..5385, 5277..5396, 5278..5436, 5281..5430, 5288..5443, 5293..5445, 5293..5442, 5301..5396, 5316..5399, 5373..5471, 5380..5472, 5380..5457, 5433..5525, 5434..5526, 5434..5526, 5461..5613, 5461..5613, 5462..5614, 5469..5627, 5470..5616, 5473..5628, 5478..5618, 5500..5646, 5505..5639, 5506..5646, 5661..5729, 5669..5707, 5676..5735, 5784..5918, 5787..5906, 5817..5909, 5817..5849, 5835..5933		

Seq. No.	31755	Seq. ID	OJ990519_04.9C01.C19
Gene No.	65714	Strand	+
Start	268	End	2453
Name	OJ990519_04.9C01.C19.o1.gs	Method	GENSCAN
Start	268	End	2453
GI	none	Score	.52
Exons	268..358, 2399..2453		

Seq. No.	31755	Seq. ID	OJ990519_04.9C01.C19
Gene No.	65715	Strand	+
Start	4642	End	8668
Name	OJ990519_04.9C01.C19.o2.gs	Method	GENSCAN
Start	4642	End	8668
GI	none	Score	.83
Exons	4642..4851, 5459..5579, 5770..5864, 7675..7789, 7910..8034,		

8432..8502, 8590..8668

Seq. No.	31755	Seq. ID	OJ990519_04.9C01.C19
Gene No.	65715	Strand	+
Start	4642	End	8668
Name	OJ990519_04.9C01.C19.o1.np	Method	AAT/NAP
Start	5441	End	8647
GI	3201969	Score	538
Exons	5441..5579, 5770..5864, 7675..7789, 7910..8034, 8432..8502, 8590..8647		
GI Descrip.	(AF068332) submergence induced protein 2A [Oryza sativa]		

Seq. No.	31755	Seq. ID	OJ990519_04.9C01.C19
Gene No.	65716	Strand	-
Start	9089	End	9265
Name	OJ990519_04.9C01.C19.o1.tw	Method	TBLASTX:Wheat
Start	5456	End	8503
GI	none	Score	63
Exons	5456..5506, 5467..5493, 5504..5575, 5519..5575, 5760..5864, 5768..5851, 7674..7799, 7675..7791, 7872..8039, 7909..8043, 8423..8503		

Seq. No.	31755	Seq. ID	OJ990519_04.9C01.C19
Gene No.	65716	Strand	-
Start	9089	End	9265
Name	OJ990519_04.9C01.C19.o1.tc	Method	TBLASTX:Cress
Start	5468	End	8503
GI	none	Score	63
Exons	5468..5506, 5504..5575, 5724..5864, 5760..5864, 7674..7790, 7675..7791, 7872..8039, 7909..8043, 8423..8503		

Seq. No.	31755	Seq. ID	OJ990519_04.9C01.C19
Gene No.	65716	Strand	-
Start	9089	End	9265
Name	OJ990519_04.9C01.C19.o1.tm	Method	TBLASTX:Maize
Start	5468	End	8538
GI	none	Score	63
Exons	5468..5506, 5504..5575, 5753..5872, 5760..5864, 7667..7786, 7674..7790, 7675..7791, 7872..8039, 7905..8039, 7909..8043, 8423..8503, 8434..8538		

Seq. No.	31755	Seq. ID	OJ990519_04.9C01.C19
Gene No.	65716	Strand	-
Start	9089	End	9265
Name	OJ990519_04.9C01.C19.o1.ts	Method	TBLASTX:Soybean
Start	5468	End	8503
GI	none	Score	62
Exons	5468..5506, 5504..5575, 5760..5864, 5760..5864, 7667..7789, 7674..7790, 7675..7791, 7872..8030, 7909..8043, 8423..8503		

Seq. No.	31755	Seq. ID	OJ990519_04.9C01.C19
Gene No.	65716	Strand	-
Start	9089	End	9265
Name	OJ990519_04.9C01.C19.o3.gs	Method	GENSCAN
Start	9089	End	9265
GI	none	Score	.91
Exons	9089..9120, 9244..9265		

Seq. No.	31756	Seq. ID	OJ990519_04.9C01.C21
Gene No.	65717	Strand	+
Start	143	End	294
Name	OJ990519_04.9C01.C21.o1.gs	Method	GENSCAN
Start	143	End	294
GI	none	Score	.98
Exons	143..294		

Seq. No.	31757	Seq. ID	OJ990519_04.9C01.C22
Gene No.	65718	Strand	-
Start	1	End	688
Name	OJ990519_04.9C01.C22.o1.np	Method	AAT/NAP
Start	1	End	688
GI	3287824	Score	276
Exons	1..146, 395..688		
GI Descrip.	(+)-DELTA-CADINENE SYNTHASE ISOZYME XC1 (D-CADINENE SYNTHASE) gi\|2147015\|pir\|\|S68365 (+)-delta-cadinene synthase isozyme XC1 - Gossypium arboreum gi\|1045312 (U23206) (+)-delta-cadinene synthase isozyme XC1 [Gossypium arboreum]		

Seq. No.	31757	Seq. ID	OJ990519_04.9C01.C22
Gene No.	65718	Strand	-
Start	1	End	688
Name	OJ990519_04.9C01.C22.o1.tm	Method	TBLASTX:Maize
Start	2	End	679
GI	none	Score	75
Exons	2..145, 17..145, 356..679, 397..672		

Seq. No.	31758	Seq. ID	OJ990519_04.9C01.C25
Gene No.	65719	Strand	-
Start	1	End	648
Name	OJ990519_04.9C01.C25.o1.gp	Method	AAT/GAP
Start	1	End	648
GI	83529_1.R1084	Score	1128
Exons	1..648		
GI Descrip.	'4521194/dbj\|AB013613.1\|AB013613 6.0e-79 Oryza sativa DNA, centromere sequence RCB11'		

Seq. No.	31759	Seq. ID	OJ990519_04.9C01.C26
Gene No.	65720	Strand	+
Start	121	End	991
Name	OJ990519_04.9C01.C26.o1.np	Method	AAT/NAP
Start	121	End	991
GI	4512229	Score	651
Exons	121..728, 963..991		
GI Descrip.	(AB014740) ORF0 protein [Oryza sativa]		

Seq. No.	31759	Seq. ID	OJ990519_04.9C01.C26
Gene No.	65720	Strand	+
Start	121	End	991
Name	OJ990519_04.9C01.C26.o1.gs	Method	GENSCAN
Start	184	End	754
GI	none	Score	.78
Exons	184..417, 434..754		

Seq. No.	31760	Seq. ID	OJ990519_04.9C01.C27

Gene No.	65721	Strand	+
Start	1	End	746
Name	OJ990519_04.9C01.C27.o1.np	Method	AAT/NAP
Start	1	End	746
GI	4733937	Score	127
Exons	1..78, 160..429, 569..746		
GI Descrip.	(AF080245) sesquiterpene synthase [Elaeis oleifera]		

Seq. No.	31760	Seq. ID	OJ990519_04.9C01.C27
Gene No.	65721	Strand	+
Start	1	End	746
Name	OJ990519_04.9C01.C27.o1.gs	Method	GENSCAN
Start	118	End	492
GI	none	Score	.68
Exons	118..492		

Seq. No.	31761	Seq. ID	OJ990519_04.9C01.C32
Gene No.	65722	Strand	+
Start	140	End	3539
Name	OJ990519_04.9C01.C32.o1.gs	Method	GENSCAN
Start	140	End	1150
GI	none	Score	.53
Exons	140..468, 583..1150		

Seq. No.	31761	Seq. ID	OJ990519_04.9C01.C32
Gene No.	65722	Strand	+
Start	140	End	3539
Name	OJ990519_04.9C01.C32.o1.np	Method	AAT/NAP
Start	395	End	3539
GI	6721512	Score	70
Exons	395..426, 2264..2418, 3470..3539		
GI Descrip.	(AP001072) hypothetical protein [Oryza sativa]		

Seq. No.	31762	Seq. ID	OJ990519_04.9C01.C33
Gene No.	65723	Strand	-
Start	1678	End	4080
Name	OJ990519_04.9C01.C33.o1.gs	Method	GENSCAN
Start	1678	End	4080
GI	none	Score	.49
Exons	1678..1769, 2345..2816, 3713..3857, 3993..4080		

Seq. No.	31763	Seq. ID	OJ990709_08.9C10.C1
Gene No.	65724	Strand	+
Start	1	End	2398
Name	OJ990709_08.9C10.C1.o1.np	Method	AAT/NAP
Start	1	End	2398
GI	3451069	Score	1141
Exons	1..551, 579..2398		
GI Descrip.	(AL031326) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	31763	Seq. ID	OJ990709_08.9C10.C1
Gene No.	65724	Strand	+
Start	1	End	2398
Name	OJ990709_08.9C10.C1.o1.gs	Method	GENSCAN
Start	416	End	2380
GI	none	Score	.42
Exons	416..2380		

Seq. No.	31763	Seq. ID	OJ990709_08.9C10.C1
Gene No.	65725	Strand	+
Start	4594	End	4902
Name	OJ990709_08.9C10.C1.o2.gs	Method	GENSCAN
Start	4594	End	4902
GI	none	Score	.94
Exons	4594..4902		

Seq. No.	31763	Seq. ID	OJ990709_08.9C10.C1
Gene No.	65726	Strand	+
Start	4816	End	5543
Name	OJ990709_08.9C10.C1.o1.ts	Method	TBLASTX:Soybean
Start	1121	End	1410
GI	none	Score	292
Exons	1121..1405, 1123..1188, 1214..1399, 1297..1404, 1306..1410		

Seq. No.	31763	Seq. ID	OJ990709_08.9C10.C1
Gene No.	65726	Strand	+
Start	4816	End	5543
Name	OJ990709_08.9C10.C1.o1.tm	Method	TBLASTX:Maize
Start	1126	End	1566
GI	none	Score	654
Exons	1126..1221, 1127..1564, 1128..1496, 1130..1537, 1204..1566, 1294..1566		

Seq. No.	31763	Seq. ID	OJ990709_08.9C10.C1
Gene No.	65726	Strand	+
Start	4816	End	5543
Name	OJ990709_08.9C10.C1.o2.tm	Method	TBLASTX:Maize
Start	1567	End	1951
GI	none	Score	68
Exons	1567..1620, 1567..1617, 1616..1924, 1617..1925, 1618..1926, 1618..1950, 1619..1951		

Seq. No.	31763	Seq. ID	OJ990709_08.9C10.C1
Gene No.	65726	Strand	+
Start	4816	End	5543
Name	OJ990709_08.9C10.C1.o3.tm	Method	TBLASTX:Maize
Start	1958	End	2362
GI	none	Score	116
Exons	1958..2089, 2171..2362		

Seq. No.	31763	Seq. ID	OJ990709_08.9C10.C1
Gene No.	65726	Strand	+
Start	4816	End	5543
Name	OJ990709_08.9C10.C1.o2.np	Method	AAT/NAP
Start	4816	End	5543
GI	3953478	Score	84
Exons	4816..4949, 5511..5543		
GI Descrip.	(AC002328) F22O2.23 [Arabidopsis thaliana]		

Seq. No.	31764	Seq. ID	OJ990709_08.9C10.C2
Gene No.	65727	Strand	+
Start	1	End	5204
Name	OJ990709_08.9C10.C2.o1.np	Method	AAT/NAP
Start	1	End	4777

GI	3953478	Score	1991
Exons	1..110, 783..1251, 1537..1731, 2133..2587, 2667..2771, 2868..3098, 3206..3362, 3524..3872, 4648..4777		
GI Descrip.	(AC002328) F22O2.23 [Arabidopsis thaliana]		

Seq. No.	31764	Seq. ID	OJ990709_08.9C10.C2
Gene No.	65727	Strand	+
Start	1	End	5204
Name	OJ990709_08.9C10.C2.o1.gs	Method	GENSCAN
Start	10	End	5204
GI	none	Score	.71
Exons	10..54, 849..1251, 1537..1731, 2274..2587, 2868..3098, 3206..3430, 3640..3823, 4648..4747, 5126..5204		

Seq. No.	31764	Seq. ID	OJ990709_08.9C10.C2
Gene No.	65728	Strand	-
Start	5573	End	14495
Name	OJ990709_08.9C10.C2.o4.tm	Method	TBLASTX:Maize
Start	831	End	1136
GI	none	Score	151
Exons	831..953, 846..953, 847..954, 973..1059, 973..1068, 993..1073, 996..1073, 1070..1135, 1077..1136, 1077..1133, 1079..1135		

Seq. No.	31764	Seq. ID	OJ990709_08.9C10.C2
Gene No.	65728	Strand	-
Start	5573	End	14495
Name	OJ990709_08.9C10.C2.o2.ts	Method	TBLASTX:Soybean
Start	854	End	1129
GI	none	Score	339
Exons	854..937, 855..1127, 996..1121, 1016..1129		

Seq. No.	31764	Seq. ID	OJ990709_08.9C10.C2
Gene No.	65728	Strand	-
Start	5573	End	14495
Name	OJ990709_08.9C10.C2.o3.ts	Method	TBLASTX:Soybean
Start	1452	End	2239
GI	none	Score	290
Exons	1452..1745, 1529..1729, 1576..1731, 2126..2239		

Seq. No.	31764	Seq. ID	OJ990709_08.9C10.C2
Gene No.	65728	Strand	-
Start	5573	End	14495
Name	OJ990709_08.9C10.C2.o3.tm	Method	TBLASTX:Maize
Start	1524	End	1728
GI	none	Score	294
Exons	1524..1727, 1527..1673, 1535..1726, 1597..1728		

Seq. No.	31764	Seq. ID	OJ990709_08.9C10.C2
Gene No.	65728	Strand	-
Start	5573	End	14495
Name	OJ990709_08.9C10.C2.o1.tw	Method	TBLASTX:Wheat
Start	1560	End	2358
GI	none	Score	44
Exons	1560..1589, 1562..1585, 1563..1706, 1592..1708, 1601..1708, 2117..2356, 2121..2198, 2134..2358, 2137..2358		

Seq. No.	31764	Seq. ID	OJ990709_08.9C10.C2

Gene No.	65728	Strand	-
Start	5573	End	14495
Name	OJ990709_08.9C10.C2.o2.tm	Method	TBLASTX:Maize
Start	2329	End	2738
GI	none	Score	326
Exons	2329..2586, 2329..2610, 2333..2614, 2645..2719, 2646..2738		

Seq. No.	31764	Seq. ID	OJ990709_08.9C10.C2
Gene No.	65728	Strand	-
Start	5573	End	14495
Name	OJ990709_08.9C10.C2.o1.ts	Method	TBLASTX:Soybean
Start	2336	End	2903
GI	5342530	Score	227
Exons	2336..2587, 2336..2563, 2338..2571, 2662..2748, 2670..2771, 2850..2903, 2867..2902		
GI Descrip.	3953478 4.0e-59 (AC002328) F22O2.23 [Arabidopsis thaliana]		

Seq. No.	31764	Seq. ID	OJ990709_08.9C10.C2
Gene No.	65728	Strand	-
Start	5573	End	14495
Name	OJ990709_08.9C10.C2.o1.tm	Method	TBLASTX:Maize
Start	2870	End	3826
GI	none	Score	72
Exons	2870..2905, 2871..2906, 2872..2907, 2872..2907, 2901..3101, 2910..3092, 2911..3105, 2911..3099, 3196..3396, 3203..3418, 3639..3800, 3640..3792, 3641..3826, 3642..3821		

Seq. No.	31764	Seq. ID	OJ990709_08.9C10.C2
Gene No.	65728	Strand	-
Start	5573	End	14495
Name	OJ990709_08.9C10.C2.o2.tc	Method	TBLASTX:Cress
Start	3196	End	3873
GI	none	Score	147
Exons	3196..3357, 3203..3364, 3631..3873, 3690..3794		

Seq. No.	31764	Seq. ID	OJ990709_08.9C10.C2
Gene No.	65728	Strand	-
Start	5573	End	14495
Name	OJ990709_08.9C10.C2.o2.gs	Method	GENSCAN
Start	5573	End	14495
GI	none	Score	.69
Exons	5573..6074, 6277..6462, 6550..7292, 7458..7619, 7890..8262, 8968..9086, 9173..9259, 13189..13292, 13363..13457, 13741..13855, 14441..14495		

Seq. No.	31764	Seq. ID	OJ990709_08.9C10.C2
Gene No.	65728	Strand	-
Start	5573	End	14495
Name	OJ990709_08.9C10.C2.o2.np	Method	AAT/NAP
Start	5576	End	7274
GI	6174838	Score	668
Exons	5576..6074, 6277..6406, 6521..7274		
GI Descrip.	(AB026890) transcription factor NtWRKY4 [Nicotiana tabacum]		

Seq. No.	31764	Seq. ID	OJ990709_08.9C10.C2
Gene No.	65728	Strand	-
Start	5573	End	14495

Name	OJ990709_08.9C10.C2.o6.tm	Method	TBLASTX:Maize
Start	5675	End	6076
GI	none	Score	55
Exons	5675..5704, 5757..5798, 5869..6072, 5903..6073, 5904..6074, 5945..6076		

Seq. No.	31764	Seq. ID	OJ990709_08.9C10.C2
Gene No.	65728	Strand	-
Start	5573	End	14495
Name	OJ990709_08.9C10.C2.o1.gp	Method	AAT/GAP
Start	5708	End	6361
GI	LIB3432-012-P1-K1-F1	Score	791
Exons	5708..6074, 6277..6361		
GI Descrip.	'927025 5.0e-31 (L44134) SPF1-like DNA-binding protein [Cucumis sativus]'		

Seq. No.	31764	Seq. ID	OJ990709_08.9C10.C2
Gene No.	65728	Strand	-
Start	5573	End	14495
Name	OJ990709_08.9C10.C2.o2.tw	Method	TBLASTX:Wheat
Start	5917	End	7059
GI	none	Score	85
Exons	5917..6072, 5948..6073, 5948..6076, 5949..6074, 6273..6398, 6280..6387, 6885..6944, 6954..7058, 6955..7059		

Seq. No.	31764	Seq. ID	OJ990709_08.9C10.C2
Gene No.	65728	Strand	-
Start	5573	End	14495
Name	OJ990709_08.9C10.C2.o4.ts	Method	TBLASTX:Soybean
Start	5951	End	7118
GI	none	Score	81
Exons	5951..5986, 6017..6076, 6273..6338, 6280..6339, 6870..6959, 6907..6957, 6954..7118, 6955..7068		

Seq. No.	31764	Seq. ID	OJ990709_08.9C10.C2
Gene No.	65728	Strand	-
Start	5573	End	14495
Name	OJ990709_08.9C10.C2.o1.tc	Method	TBLASTX:Cress
Start	5957	End	7065
GI	none	Score	66
Exons	5957..5986, 6017..6076, 6273..6338, 6280..6339, 6870..6959, 6907..6957, 6954..7064, 6954..7064, 6955..7065		

Seq. No.	31764	Seq. ID	OJ990709_08.9C10.C2
Gene No.	65728	Strand	-
Start	5573	End	14495
Name	OJ990709_08.9C10.C2.o5.tm	Method	TBLASTX:Maize
Start	6271	End	8097
GI	none	Score	206
Exons	6271..6408, 6273..6443, 6274..6420, 6275..6454, 6276..6443, 6609..6776, 6987..7058, 7113..7250, 7156..7242, 7458..7565, 7458..7562, 7539..7619, 7552..7626, 7896..8096, 7902..8090, 7903..8097		

Seq. No.	31765	Seq. ID	OJ990709_08.9C10.C3
Gene No.	65729	Strand	+
Start	829	End	3743

Name	OJ990709_08.9C10.C3.o1.gs	Method	GENSCAN
Start	829	End	3743
GI	none	Score	.5
Exons	829..1967, 2193..2214, 3582..3743		

Seq. No.	31765	Seq. ID	OJ990709_08.9C10.C3
Gene No.	65729	Strand	+
Start	829	End	3743
Name	OJ990709_08.9C10.C3.o1.np	Method	AAT/NAP
Start	829	End	1920
GI	5257262	Score	892
Exons	829..1671, 1828..1920		
GI Descrip.	(AP000364) hypothetical protein [Oryza sativa]		

Seq. No.	31765	Seq. ID	OJ990709_08.9C10.C3
Gene No.	65730	Strand	+
Start	8246	End	8987
Name	OJ990709_08.9C10.C3.o3.gp	Method	AAT/GAP
Start	7002	End	7150
GI	5003458	Score	255
Exons	7002..7150		

Seq. No.	31765	Seq. ID	OJ990709_08.9C10.C3
Gene No.	65730	Strand	+
Start	8246	End	8987
Name	OJ990709_08.9C10.C3.o2.gs	Method	GENSCAN
Start	8246	End	8987
GI	none	Score	.7
Exons	8246..8708, 8812..8987		

Seq. No.	31765	Seq. ID	OJ990709_08.9C10.C3
Gene No.	65731	Strand	+
Start	11379	End	11928
Name	OJ990709_08.9C10.C3.o4.gp	Method	AAT/GAP
Start	11379	End	11928
GI	none	Score	1063
Exons	11379..11928		

Seq. No.	31765	Seq. ID	OJ990709_08.9C10.C3
Gene No.	65732	Strand	+
Start	17027	End	19399
Name	OJ990709_08.9C10.C3.o2.np	Method	AAT/NAP
Start	17027	End	19399
GI	5902386	Score	983
Exons	17027..17064, 17186..18303, 19374..19399		
GI Descrip.	(AC009322) Hypothetical protein [Arabidopsis thaliana]		

Seq. No.	31765	Seq. ID	OJ990709_08.9C10.C3
Gene No.	65733	Strand	+
Start	21421	End	24151
Name	OJ990709_08.9C10.C3.o3.np	Method	AAT/NAP
Start	21421	End	24151
GI	3953481	Score	925
Exons	21421..21567, 21683..21888, 22171..22282, 22471..23796, 24124..24151		
GI Descrip.	(AC002328) F22O2.26 [Arabidopsis thaliana]		

Seq. No.	31765	Seq. ID	OJ990709_08.9C10.C3
Gene No.	65734	Strand	+
Start	29102	End	37814
Name	OJ990709_08.9C10.C3.o5.gs	Method	GENSCAN
Start	29102	End	37813
GI	none	Score	.84
Exons	29102..29218, 30833..30961, 31341..31391, 31627..31875, 32155..32268, 33361..33531, 33891..34063, 34337..34583, 35005..35089, 35773..35936, 36844..36909, 37390..37484, 37739..37813		

Seq. No.	31765	Seq. ID	OJ990709_08.9C10.C3
Gene No.	65734	Strand	+
Start	29102	End	37814
Name	OJ990709_08.9C10.C3.o5.np	Method	AAT/NAP
Start	29102	End	37814
GI	3806016	Score	1878
Exons	29102..29278, 30887..30930, 31100..31489, 31627..31875, 32155..32268, 33361..33531, 33891..34066, 34331..34583, 35005..35089, 35360..35469, 35712..35936, 36844..36909, 37390..37484, 37739..37814		
GI Descrip.	(AF053104) peroxisomal targeting signal 1 receptor; PTS1 receptor; Pex5p [Nicotiana tabacum]		

Seq. No.	31765	Seq. ID	OJ990709_08.9C10.C3
Gene No.	65734	Strand	+
Start	29102	End	37814
Name	OJ990709_08.9C10.C3.o7.gp	Method	AAT/GAP
Start	30871	End	31689
GI	66330_1.R1084	Score	861
Exons	30871..30961, 31032..31188, 31296..31489, 31627..31689		
GI Descrip.	'3193234 1.0e-24 (AF068690) peroxisomal targeting signal-1 receptor [Citrullus lanatus]'		

Seq. No.	31765	Seq. ID	OJ990709_08.9C10.C3
Gene No.	65734	Strand	+
Start	29102	End	37814
Name	OJ990709_08.9C10.C3.o8.gp	Method	AAT/GAP
Start	34022	End	37514
GI	32009_1.R1084	Score	1552
Exons	34022..34063, 34337..34583, 35005..35089, 35360..35469, 35712..35936, 36844..36909, 37390..37514		
GI Descrip.	'3806016 1.0e-123 (AF053104) peroxisomal targeting signal 1 receptor; PTS1 receptor; Pex5p [Nicotiana tabacum]'		

Seq. No.	31765	Seq. ID	OJ990709_08.9C10.C3
Gene No.	65735	Strand	-
Start	4894	End	5444
Name	OJ990709_08.9C10.C3.o1.gp	Method	AAT/GAP
Start	4894	End	5444
GI	none	Score	953
Exons	4894..5444		

Seq. No.	31765	Seq. ID	OJ990709_08.9C10.C3
Gene No.	65736	Strand	-
Start	5371	End	5815
Name	OJ990709_08.9C10.C3.o2.gp	Method	AAT/GAP

Start	5371	End	5815
GI	none	Score	826
Exons	5371..5815		

Seq. No.	31765	Seq. ID	OJ990709_08.9C10.C3
Gene No.	65737	Strand	-
Start	24429	End	28235
Name	OJ990709_08.9C10.C3.o4.gs	Method	GENSCAN
Start	24429	End	28154
GI	none	Score	.9
Exons	24429..24550, 25293..25363, 25651..25706, 26378..26439, 26817..26910, 27634..27722, 27824..28154		

Seq. No.	31765	Seq. ID	OJ990709_08.9C10.C3
Gene No.	65737	Strand	-
Start	24429	End	28235
Name	OJ990709_08.9C10.C3.o5.gp	Method	AAT/GAP
Start	25227	End	26431
GI	uC-osrocyp017d02b1	Score	916
Exons	25227..25363, 25651..25706, 25791..25891, 26023..26115, 26219..26297, 26378..26431		
GI Descrip.	'2982463/emb\|CAA18227.1\| 1.0e-29 (AL022223) putative protein [Arabidopsis thaliana]'		

Seq. No.	31765	Seq. ID	OJ990709_08.9C10.C3
Gene No.	65737	Strand	-
Start	24429	End	28235
Name	OJ990709_08.9C10.C3.o4.np	Method	AAT/NAP
Start	25282	End	28100
GI	2982463	Score	848
Exons	25282..25363, 25651..25706, 25791..25891, 26219..26297, 26378..26439, 26817..26910, 27634..27722, 27824..28100		
GI Descrip.	(AL022223) putative protein [Arabidopsis thaliana]		

Seq. No.	31765	Seq. ID	OJ990709_08.9C10.C3
Gene No.	65737	Strand	-
Start	24429	End	28235
Name	OJ990709_08.9C10.C3.o6.gp	Method	AAT/GAP
Start	27638	End	28235
GI	875_1.R1084	Score	947
Exons	27638..27722, 27824..28235		
GI Descrip.	'2982463/emb\|CAA18227.1\| 2.0e-33 (AL022223) putative protein [Arabidopsis thaliana]'		

Seq. No.	31765	Seq. ID	OJ990709_08.9C10.C3
Gene No.	65738	Strand	-
Start	37757	End	38202
Name	OJ990709_08.9C10.C3.o1.tw	Method	TBLASTX:Wheat
Start	1306	End	1665
GI	none	Score	84
Exons	1306..1386, 1411..1665, 1428..1625		

Seq. No.	31765	Seq. ID	OJ990709_08.9C10.C3
Gene No.	65738	Strand	-
Start	37757	End	38202
Name	OJ990709_08.9C10.C3.o1.tc	Method	TBLASTX:Cress
Start	17333	End	18340

GI	none	Score	193
Exons	17333..17641, 17480..17686, 17669..17905, 17738..18049, 17936..18340, 17981..18181		

Seq. No.	31765	Seq. ID	OJ990709_08.9C10.C3
Gene No.	65738	Strand	-
Start	37757	End	38202
Name	OJ990709_08.9C10.C3.o3.ts	Method	TBLASTX:Soybean
Start	17513	End	18274
GI	none	Score	86
Exons	17513..17821, 17660..18274, 17683..17847, 17938..18171		

Seq. No.	31765	Seq. ID	OJ990709_08.9C10.C3
Gene No.	65738	Strand	-
Start	37757	End	38202
Name	OJ990709_08.9C10.C3.o5.tm	Method	TBLASTX:Maize
Start	17525	End	18271
GI	none	Score	113
Exons	17525..17914, 17645..17815, 17762..18181, 17852..18271, 17957..18271, 17966..18145, 18118..18267		

Seq. No.	31765	Seq. ID	OJ990709_08.9C10.C3
Gene No.	65738	Strand	-
Start	37757	End	38202
Name	OJ990709_08.9C10.C3.o4.tm	Method	TBLASTX:Maize
Start	22784	End	23206
GI	none	Score	62
Exons	22784..22864, 22810..22863, 22816..22866, 22883..23041, 22891..23043, 22891..23043, 22892..23044, 23059..23205, 23060..23206		

Seq. No.	31765	Seq. ID	OJ990709_08.9C10.C3
Gene No.	65738	Strand	-
Start	37757	End	38202
Name	OJ990709_08.9C10.C3.o6.tc	Method	TBLASTX:Cress
Start	22865	End	23224
GI	none	Score	137
Exons	22865..23035, 22892..23050, 23054..23224		

Seq. No.	31765	Seq. ID	OJ990709_08.9C10.C3
Gene No.	65738	Strand	-
Start	37757	End	38202
Name	OJ990709_08.9C10.C3.o5.tc	Method	TBLASTX:Cress
Start	23228	End	23788
GI	none	Score	270
Exons	23228..23605, 23573..23707, 23726..23788		

Seq. No.	31765	Seq. ID	OJ990709_08.9C10.C3
Gene No.	65738	Strand	-
Start	37757	End	38202
Name	OJ990709_08.9C10.C3.o2.tm	Method	TBLASTX:Maize
Start	25234	End	26436
GI	none	Score	120
Exons	25234..25365, 25276..25365, 25651..25734, 25653..25706, 25775..25912, 25789..25902, 26021..26104, 26021..26101, 26022..26105, 26202..26315, 26215..26298, 26250..26300, 26375..26431, 26378..26431, 26380..26436		

Seq. No.	31765	Seq. ID	OJ990709_08.9C10.C3
Gene No.	65738	Strand	-
Start	37757	End	38202
Name	OJ990709_08.9C10.C3.o3.tc	Method	TBLASTX:Cress
Start	25279	End	26441
GI	none	Score	54
Exons	25279..25308, 25300..25365, 25651..25713, 25653..25706, 25789..25914, 25791..25892, 26009..26116, 26021..26113, 26065..26115, 26220..26315, 26224..26298, 26378..26431, 26379..26441		

Seq. No.	31765	Seq. ID	OJ990709_08.9C10.C3
Gene No.	65738	Strand	-
Start	37757	End	38202
Name	OJ990709_08.9C10.C3.o1.ts	Method	TBLASTX:Soybean
Start	26060	End	28092
GI	none	Score	66
Exons	26060..26116, 26064..26114, 26065..26121, 26220..26315, 26224..26298, 26234..26299, 26378..26431, 26379..26441, 26806..26910, 26818..26910, 27629..27721, 27631..27720, 27639..27722, 27819..27932, 27825..27956, 27826..27957, 28014..28076, 28018..28092		

Seq. No.	31765	Seq. ID	OJ990709_08.9C10.C3
Gene No.	65738	Strand	-
Start	37757	End	38202
Name	OJ990709_08.9C10.C3.o2.tc	Method	TBLASTX:Cress
Start	26857	End	28083
GI	none	Score	108
Exons	26857..26910, 27629..27721, 27631..27720, 27634..27723, 27819..27938, 27825..27962, 27826..27963, 28014..28076, 28033..28083		

Seq. No.	31765	Seq. ID	OJ990709_08.9C10.C3
Gene No.	65738	Strand	-
Start	37757	End	38202
Name	OJ990709_08.9C10.C3.o1.tm	Method	TBLASTX:Maize
Start	27631	End	28161
GI	none	Score	118
Exons	27631..27720, 27638..27721, 27639..27722, 27640..27723, 27819..27950, 27825..27962, 27826..27963, 28009..28161, 28014..28160		

Seq. No.	31765	Seq. ID	OJ990709_08.9C10.C3
Gene No.	65738	Strand	-
Start	37757	End	38202
Name	OJ990709_08.9C10.C3.o6.tm	Method	TBLASTX:Maize
Start	29099	End	31117
GI	none	Score	159
Exons	29099..29122, 29102..29218, 29122..29217, 30829..30855, 30830..30856, 30857..30961, 30859..30960, 30860..30961, 30861..30962, 30862..30963, 31031..31117, 31032..31112		

Seq. No.	31765	Seq. ID	OJ990709_08.9C10.C3
Gene No.	65738	Strand	-
Start	37757	End	38202

Name	OJ990709_08.9C10.C3.o4.tc	Method	TBLASTX:Cress
Start	29126	End	37820
GI	none	Score	78
Exons	29126..29218, 31285..31503, 31295..31495, 31624..31743, 31783..31893, 31806..31874, 32152..32292, 32179..32292, 33355..33444, 33358..33477, 33502..33534, 33888..33929, 33893..33925, 33903..34025, 33957..34064, 33992..34054, 33996..34061, 34383..34583, 34385..34588, 34386..34598, 35001..35087, 35002..35088, 35002..35088, 35022..35105, 35358..35453, 35359..35475, 35706..35945, 35709..35942, 35717..35935, 35745..35921, 36841..36909, 36843..36914, 37387..37482, 37389..37484, 37676..37819, 37728..37820		

Seq. No.	31765	Seq. ID	OJ990709_08.9C10.C3
Gene No.	65738	Strand	-
Start	37757	End	38202
Name	OJ990709_08.9C10.C3.o3.tm	Method	TBLASTX:Maize
Start	31294	End	37808
GI	none	Score	112
Exons	31294..31347, 31295..31387, 31295..31384, 31366..31491, 31368..31478, 31384..31494, 31385..31495, 31624..31671, 31626..31661, 31654..31875, 31668..31874, 32134..32292, 32152..32292, 32175..32309, 33272..33334, 33341..33529, 33355..33546, 33358..33531, 33363..33545, 33888..34064, 33893..34063, 33895..34065, 33896..34078, 33958..34086, 34334..34591, 34336..34539, 34337..34588, 34338..34598, 35001..35087, 35002..35088, 35002..35088, 35003..35104, 35358..35471, 35359..35472, 35706..35897, 35709..35783, 35711..35935, 35712..35942, 35745..35921, 35866..35940, 36841..36909, 36843..36908, 37380..37481, 37387..37482, 37387..37488, 37728..37808, 37739..37807		

Seq. No.	31765	Seq. ID	OJ990709_08.9C10.C3
Gene No.	65738	Strand	-
Start	37757	End	38202
Name	OJ990709_08.9C10.C3.o4.ts	Method	TBLASTX:Soybean
Start	34416	End	35475
GI	none	Score	205
Exons	34416..34598, 34418..34588, 35001..35087, 35002..35088, 35002..35088, 35003..35089, 35003..35089, 35022..35093, 35358..35453, 35359..35475		

Seq. No.	31765	Seq. ID	OJ990709_08.9C10.C3
Gene No.	65738	Strand	-
Start	37757	End	38202
Name	OJ990709_08.9C10.C3.o2.ts	Method	TBLASTX:Soybean
Start	35706	End	37814
GI	none	Score	89
Exons	35706..35945, 35726..35935, 35727..35942, 35746..35946, 36841..36909, 36843..36914, 37387..37482, 37387..37482, 37389..37484, 37728..37814		

Seq. No.	31765	Seq. ID	OJ990709_08.9C10.C3
Gene No.	65738	Strand	-
Start	37757	End	38202
Name	OJ990709_08.9C10.C3.o9.gp	Method	AAT/GAP
Start	37757	End	38202

GI	none	Score	853
Exons	37757..38202		

Seq. No.	31766	Seq. ID	OJ990709_08.9C10.C4
Gene No.	65739	Strand	+
Start	342	End	748
Name	OJ990709_08.9C10.C4.o1.gp	Method	AAT/GAP
Start	342	End	748
GI	uC-osrocyp006h08a1	Score	798
Exons	342..748		
GI Descrip.	'3128167 7.0e-14 (AC004521) hypothetical protein [Arabidopsis thaliana] >gi_3212874 (AC004005) hypothetical protein [Arabidopsis thaliana]'		

Seq. No.	31766	Seq. ID	OJ990709_08.9C10.C4
Gene No.	65740	Strand	-
Start	33	End	2688
Name	OJ990709_08.9C10.C4.o1.gs	Method	GENSCAN
Start	33	End	2688
GI	none	Score	.68
Exons	33..134, 518..1557, 2541..2688		

Seq. No.	31766	Seq. ID	OJ990709_08.9C10.C4
Gene No.	65740	Strand	-
Start	33	End	2688
Name	OJ990709_08.9C10.C4.o2.tm	Method	TBLASTX:Maize
Start	513	End	771
GI	none	Score	37
Exons	513..545, 546..668, 547..672, 550..672, 551..673, 688..771, 696..764		

Seq. No.	31766	Seq. ID	OJ990709_08.9C10.C4
Gene No.	65740	Strand	-
Start	33	End	2688
Name	OJ990709_08.9C10.C4.o1.np	Method	AAT/NAP
Start	517	End	2688
GI	3128167	Score	630
Exons	517..1071, 1123..1551, 1703..1860, 2546..2688		
GI Descrip.	(AC004521) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	31766	Seq. ID	OJ990709_08.9C10.C4
Gene No.	65740	Strand	-
Start	33	End	2688
Name	OJ990709_08.9C10.C4.o1.ts	Method	TBLASTX:Soybean
Start	550	End	2684
GI	none	Score	62
Exons	550..654, 554..625, 688..795, 715..837, 1700..1864, 1704..1841, 1706..1843, 2628..2684		

Seq. No.	31766	Seq. ID	OJ990709_08.9C10.C4
Gene No.	65740	Strand	-
Start	33	End	2688
Name	OJ990709_08.9C10.C4.o1.tm	Method	TBLASTX:Maize
Start	1063	End	1867
GI	none	Score	46
Exons	1063..1167, 1083..1115, 1083..1109, 1090..1149, 1117..1152, 1125..1193, 1215..1334, 1258..1329, 1276..1389, 1309..1401,		

1309..1383, 1361..1438, 1378..1440, 1437..1514, 1443..1484, 1700..1867, 1701..1841, 1706..1867

Seq. No.	31766	Seq. ID	OJ990709_08.9C10.C4
Gene No.	65740	Strand	-
Start	33	End	2688
Name	OJ990709_08.9C10.C4.o2.gp	Method	AAT/GAP
Start	1228	End	2640
GI	5657_1.R1084	Score	1002
Exons	1228..1557, 1703..1864, 2541..2640		
GI Descrip.	'3128167 2.0e-15 (AC004521) hypothetical protein [Arabidopsis thaliana] >gi_3212874 (AC004005) hypothetical protein [Arabidopsis thaliana]'		

Seq. No.	31767	Seq. ID	OJ990709_08.9C10.C5
Gene No.	65741	Strand	+
Start	58	End	170
Name	OJ990709_08.9C10.C5.o1.gs	Method	GENSCAN
Start	58	End	170
GI	none	Score	.99
Exons	58..170		

Seq. No.	31767	Seq. ID	OJ990709_08.9C10.C5
Gene No.	65742	Strand	+
Start	1403	End	1732
Name	OJ990709_08.9C10.C5.o1.gp	Method	AAT/GAP
Start	1403	End	1732
GI	none	Score	656
Exons	1403..1732		

Seq. No.	31767	Seq. ID	OJ990709_08.9C10.C5
Gene No.	65743	Strand	-
Start	1789	End	5915
Name	OJ990709_08.9C10.C5.o2.gs	Method	GENSCAN
Start	1789	End	5790
GI	none	Score	.95
Exons	1789..2343, 2558..2781, 2985..3102, 3227..3598, 5464..5790		

Seq. No.	31767	Seq. ID	OJ990709_08.9C10.C5
Gene No.	65743	Strand	-
Start	1789	End	5915
Name	OJ990709_08.9C10.C5.o1.np	Method	AAT/NAP
Start	1792	End	5915
GI	4966343	Score	1190
Exons	1792..2034, 2101..2343, 2558..2781, 2985..3102, 3227..3598, 5464..5577, 5773..5915		
GI Descrip.	(AC006341) Is a member of PF\|00481 Protein phosphatase 2C family. [Arabidopsis thaliana]		

Seq. No.	31767	Seq. ID	OJ990709_08.9C10.C5
Gene No.	65743	Strand	-
Start	1789	End	5915
Name	OJ990709_08.9C10.C5.o2.tm	Method	TBLASTX:Maize
Start	2161	End	3289
GI	none	Score	64
Exons	2161..2343, 2183..2230, 2185..2343, 2190..2345, 2515..2778, 2520..2780, 2552..2812, 2983..3114, 2984..3094, 2986..3096,		

3227..3289

Seq. No.	31767	Seq. ID	OJ990709_08.9C10.C5
Gene No.	65743	Strand	-
Start	1789	End	5915
Name	OJ990709_08.9C10.C5.o1.ts	Method	TBLASTX:Soybean
Start	2179	End	3036
GI	none	Score	82
Exons	2179..2265, 2180..2320, 2302..2343, 2303..2341, 2552..2779, 2559..2780, 2822..2881, 2986..3036		

Seq. No.	31767	Seq. ID	OJ990709_08.9C10.C5
Gene No.	65743	Strand	-
Start	1789	End	5915
Name	OJ990709_08.9C10.C5.o1.tc	Method	TBLASTX:Cress
Start	2552	End	3331
GI	none	Score	203
Exons	2552..2593, 2579..2812, 2580..2780, 2983..3114, 2987..3103, 3227..3331, 3228..3329		

Seq. No.	31767	Seq. ID	OJ990709_08.9C10.C5
Gene No.	65743	Strand	-
Start	1789	End	5915
Name	OJ990709_08.9C10.C5.o1.tm	Method	TBLASTX:Maize
Start	3290	End	3680
GI	none	Score	92
Exons	3290..3433, 3291..3356, 3292..3369, 3431..3628, 3435..3629, 3435..3632, 3657..3680		

Seq. No.	31767	Seq. ID	OJ990709_08.9C10.C5
Gene No.	65743	Strand	-
Start	1789	End	5915
Name	OJ990709_08.9C10.C5.o2.gp	Method	AAT/GAP
Start	5461	End	5814
GI	none	Score	684
Exons	5461..5814		

Seq. No.	31767	Seq. ID	OJ990709_08.9C10.C5
Gene No.	65743	Strand	-
Start	1789	End	5915
Name	OJ990709_08.9C10.C5.o3.tm	Method	TBLASTX:Maize
Start	5463	End	5592
GI	none	Score	103
Exons	5463..5492, 5464..5592, 5466..5516		

Seq. No.	31768	Seq. ID	OJ990709_08.9C10.C6
Gene No.	65744	Strand	+
Start	2123	End	4307
Name	OJ990709_08.9C10.C6.o1.gs	Method	GENSCAN
Start	2123	End	4307
GI	none	Score	.75
Exons	2123..2150, 3797..4169, 4184..4307		

Seq. No.	31768	Seq. ID	OJ990709_08.9C10.C6
Gene No.	65745	Strand	+
Start	5046	End	9385
Name	OJ990709_08.9C10.C6.o2.gs	Method	GENSCAN

Start	5046	End	6722
GI	none	Score	.87
Exons	5046..6722		

Seq. No.	31768	Seq. ID	OJ990709_08.9C10.C6
Gene No.	65745	Strand	+
Start	5046	End	9385
Name	OJ990709_08.9C10.C6.o1.gp	Method	AAT/GAP
Start	5712	End	6098
GI	568457	Score	767
Exons	5712..6098		

Seq. No.	31768	Seq. ID	OJ990709_08.9C10.C6
Gene No.	65745	Strand	+
Start	5046	End	9385
Name	OJ990709_08.9C10.C6.o1.np	Method	AAT/NAP
Start	6452	End	9384
GI	5738365	Score	846
Exons	6452..6562, 7723..8082, 8272..9384		
GI Descrip.	(AL021711) putative protein [Arabidopsis thaliana]		

Seq. No.	31768	Seq. ID	OJ990709_08.9C10.C6
Gene No.	65745	Strand	+
Start	5046	End	9385
Name	OJ990709_08.9C10.C6.o3.gs	Method	GENSCAN
Start	7682	End	9385
GI	none	Score	.91
Exons	7682..9385		

Seq. No.	31768	Seq. ID	OJ990709_08.9C10.C6
Gene No.	65746	Strand	+
Start	16748	End	19085
Name	OJ990709_08.9C10.C6.o5.gs	Method	GENSCAN
Start	16748	End	19085
GI	none	Score	.43
Exons	16748..16908, 17412..17546, 18114..18182, 18998..19085		

Seq. No.	31768	Seq. ID	OJ990709_08.9C10.C6
Gene No.	65746	Strand	+
Start	16748	End	19085
Name	OJ990709_08.9C10.C6.o4.gp	Method	AAT/GAP
Start	18325	End	18576
GI	none	Score	484
Exons	18325..18576		

Seq. No.	31768	Seq. ID	OJ990709_08.9C10.C6
Gene No.	65747	Strand	-
Start	10811	End	14909
Name	OJ990709_08.9C10.C6.o2.tc	Method	TBLASTX:Cress
Start	8014	End	9058
GI	none	Score	84
Exons	8014..8073, 8015..8155, 8156..8338, 8161..8280, 8162..8341, 8165..8338, 8309..8341, 8348..8617, 8348..8437, 8369..8632, 8372..8539, 8423..8542, 8465..8710, 8519..8632, 8636..8755, 8636..8755, 8750..8926, 8768..8938, 8768..8935, 8780..8935, 8813..9022, 8927..9058, 8953..9030		

Seq. No.	31768	Seq. ID	OJ990709_08.9C10.C6
Gene No.	65747	Strand	-
Start	10811	End	14909
Name	OJ990709_08.9C10.C6.o2.tm	Method	TBLASTX:Maize
Start	8021	End	9373
GI	none	Score	70
Exons	8021..8140, 8162..8245, 8174..8338, 8177..8350, 8177..8392, 8228..8290, 8289..8330, 8351..8437, 8366..8488, 8369..8521, 8444..8632, 8459..8623, 8462..8632, 8462..8737, 8462..8530, 8534..8623, 8608..8739, 8612..8710, 8777..9229, 8777..8971, 8777..8950, 8890..9204, 9203..9373		

Seq. No.	31768	Seq. ID	OJ990709_08.9C10.C6
Gene No.	65747	Strand	-
Start	10811	End	14909
Name	OJ990709_08.9C10.C6.o3.ts	Method	TBLASTX:Soybean
Start	8156	End	8878
GI	none	Score	145
Exons	8156..8347, 8216..8344, 8351..8548, 8366..8542, 8417..8665, 8419..8574, 8501..8641, 8801..8878		

Seq. No.	31768	Seq. ID	OJ990709_08.9C10.C6
Gene No.	65747	Strand	-
Start	10811	End	14909
Name	OJ990709_08.9C10.C6.o4.tw	Method	TBLASTX:Wheat
Start	8165	End	9084
GI	none	Score	103
Exons	8165..8338, 8333..8545, 8450..8626, 8630..8713, 8633..8752, 8638..8736, 8767..9084, 8768..9082, 8906..9022, 8930..8992		

Seq. No.	31768	Seq. ID	OJ990709_08.9C10.C6
Gene No.	65747	Strand	-
Start	10811	End	14909
Name	OJ990709_08.9C10.C6.o2.ts	Method	TBLASTX:Soybean
Start	8900	End	9199
GI	none	Score	266
Exons	8900..9199, 8902..9093, 8933..9199		

Seq. No.	31768	Seq. ID	OJ990709_08.9C10.C6
Gene No.	65747	Strand	-
Start	10811	End	14909
Name	OJ990709_08.9C10.C6.o1.tm	Method	TBLASTX:Maize
Start	10802	End	14816
GI	none	Score	44
Exons	10802..11272, 10808..10840, 10920..11402, 11350..11433, 11357..12145, 11487..11669, 11508..12155, 11522..11680, 11536..12069, 11940..12134, 12118..12144, 12253..12309, 12266..12355, 12281..12364, 13195..13620, 13200..13397, 13208..13555, 13452..13577, 14685..14816, 14688..14801		

Seq. No.	31768	Seq. ID	OJ990709_08.9C10.C6
Gene No.	65747	Strand	-
Start	10811	End	14909
Name	OJ990709_08.9C10.C6.o2.gp	Method	AAT/GAP
Start	10807	End	12293
GI	269_1.R1084	Score	2722
Exons	10807..12293		

GI Descrip. '417154/sp|P33126|HS82_ORYSA 0.0e+00 HEAT SHOCK PROTEIN 82 >gi_100685_pir__S25541 heat shock protein 82 - rice (strain Taichung Native One) >gi_20256_emb_CAA77978_ (Z11920) heat shock protein 82 (HSP82) [Oryza sativa]'

Seq. No.	31768	Seq. ID	OJ990709_08.9C10.C6
Gene No.	65747	Strand	-
Start	10811	End	14909
Name	OJ990709_08.9C10.C6.o1.tc	Method	TBLASTX:Cress
Start	10811	End	14821
GI	none	Score	347
Exons	10811..10846, 10841..11272, 10926..11402, 11353..11433, 11357..12145, 11487..11543, 11508..12155, 11522..11680, 11533..12144, 12243..12359, 12259..12312, 12266..12364, 12281..12364, 13194..13571, 13195..13620, 13206..13328, 13208..13552, 13452..13577, 14685..14804, 14687..14821, 14688..14798		

Seq. No.	31768	Seq. ID	OJ990709_08.9C10.C6
Gene No.	65747	Strand	-
Start	10811	End	14909
Name	OJ990709_08.9C10.C6.o1.ts	Method	TBLASTX:Soybean
Start	10811	End	14836
GI	none	Score	315
Exons	10811..10852, 10898..11272, 10926..11210, 11063..11260, 11338..11385, 11357..11392, 11372..11803, 11389..11430, 11487..11543, 11508..11804, 11522..11680, 11533..11703, 11733..11804, 11741..11806, 11813..11878, 11897..12067, 11897..12130, 11928..12131, 11935..12069, 11940..12131, 12243..12353, 12281..12355, 13191..13328, 13195..13392, 13208..13384, 13372..13473, 13384..13470, 13388..13477, 13459..13518, 13485..13508, 13516..13623, 13517..13615, 13519..13620, 14685..14783, 14687..14836, 14688..14789		

Seq. No.	31768	Seq. ID	OJ990709_08.9C10.C6
Gene No.	65747	Strand	-
Start	10811	End	14909
Name	OJ990709_08.9C10.C6.o4.gs	Method	GENSCAN
Start	10811	End	14812
GI	none	Score	.99
Exons	10811..12361, 13198..13620, 14687..14812		

Seq. No.	31768	Seq. ID	OJ990709_08.9C10.C6
Gene No.	65747	Strand	-
Start	10811	End	14909
Name	OJ990709_08.9C10.C6.o2.np	Method	AAT/NAP
Start	10814	End	14812
GI	417154	Score	3499
Exons	10814..12361, 13198..13620, 14687..14812		
GI Descrip.	HEAT SHOCK PROTEIN 82 gi\|100685\|pir\|\|S25541 heat shock protein 82 - rice (strain Taichung Native One) gi\|20256\|emb\|CAA77978\| (Z11920) heat shock protein 82 (HSP82) [Oryza sativa]		

Seq. No.	31768	Seq. ID	OJ990709_08.9C10.C6
Gene No.	65747	Strand	-
Start	10811	End	14909
Name	OJ990709_08.9C10.C6.o1.tw	Method	TBLASTX:Wheat

Start	11012	End	11837
GI	none	Score	209
Exons	11012..11272, 11013..11210, 11063..11260, 11335..11433, 11357..11836, 11487..11669, 11508..11837, 11522..11680, 11536..11703, 11733..11837		

Seq. No.	31768	Seq. ID	OJ990709_08.9C10.C6
Gene No.	65747	Strand	-
Start	10811	End	14909
Name	OJ990709_08.9C10.C6.o2.tw	Method	TBLASTX:Wheat
Start	11915	End	12364
GI	none	Score	122
Exons	11915..12067, 11915..12145, 11916..12155, 11940..12134, 12118..12144, 12249..12359, 12253..12312, 12266..12364, 12278..12364		

Seq. No.	31768	Seq. ID	OJ990709_08.9C10.C6
Gene No.	65747	Strand	-
Start	10811	End	14909
Name	OJ990709_08.9C10.C6.o3.tw	Method	TBLASTX:Wheat
Start	13375	End	14819
GI	none	Score	248
Exons	13375..13617, 13376..13618, 13378..13620, 14685..14819, 14688..14801		

Seq. No.	31768	Seq. ID	OJ990709_08.9C10.C6
Gene No.	65747	Strand	-
Start	10811	End	14909
Name	OJ990709_08.9C10.C6.o3.gp	Method	AAT/GAP
Start	13391	End	14909
GI	438_6.R1084	Score	772
Exons	13391..13620, 14687..14909		
GI Descrip.	'417154/sp\|P33126\|HS82_ORYSA 8.0e-40 HEAT SHOCK PROTEIN 82 >gi_100685_pir__S25541 heat shock protein 82 - rice (strain Taichung Native One) >gi_20256_emb_CAA77978_ (Z11920) heat shock protein 82 (HSP82) [Oryza sativa]'		

Seq. No.	31768	Seq. ID	OJ990709_08.9C10.C6
Gene No.	65748	Strand	
Start	18980	End	19142
Name	OJ990709_08.9C10.C6.o3.tm	Method	TBLASTX:Maize
Start	18980	End	19142
GI	none	Score	134
Exons	18980..19141, 18992..19141, 18993..19142		

Seq. No.	31769	Seq. ID	OJ990709_08.9C10.C7
Gene No.	65749	Strand	-
Start	323	End	440
Name	OJ990709_08.9C10.C7.o1.gs	Method	GENSCAN
Start	323	End	440
GI	none	Score	.93
Exons	323..440		

Seq. No.	31770	Seq. ID	OJ990709_03.9C01.C1
Gene No.	65750	Strand	+
Start	3131	End	3264
Name	OJ990709_03.9C01.C1.o1.gs	Method	GENSCAN

Start	3131	End	3264
GI	none	Score	.95
Exons	3131..3264		

Seq. No.	31771	Seq. ID	OJ990709_03.9C01.C2
Gene No.	65751	Strand	+
Start	1147	End	4670
Name	OJ990709_03.9C01.C2.o1.gs	Method	GENSCAN
Start	1147	End	4651
GI	none	Score	.5
Exons	1147..1235, 1272..1559, 1561..1694, 2889..3051, 4540..4651		

Seq. No.	31771	Seq. ID	OJ990709_03.9C01.C2
Gene No.	65751	Strand	+
Start	1147	End	4670
Name	OJ990709_03.9C01.C2.o1.np	Method	AAT/NAP
Start	1740	End	4670
GI	6016875	Score	378
Exons	1740..1760, 2879..3051, 3160..3298, 4592..4670		
GI Descrip.	(AP000570) EST AU078302(C63241) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	31771	Seq. ID	OJ990709_03.9C01.C2
Gene No.	65752	Strand	+
Start	5897	End	7277
Name	OJ990709_03.9C01.C2.o2.np	Method	AAT/NAP
Start	5897	End	7277
GI	5922615	Score	64
Exons	5897..5960, 6727..6820, 7231..7277		
GI Descrip.	(AP000492) EST AU056052(S20251) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa] gi\|6016848\|dbj\|BAA85191.1\| (AP000570) EST AU056052(S20251) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	31771	Seq. ID	OJ990709_03.9C01.C2
Gene No.	65753	Strand	+
Start	7214	End	15602
Name	OJ990709_03.9C01.C2.o2.gs	Method	GENSCAN
Start	7214	End	13812
GI	none	Score	.63
Exons	7214..7273, 8446..8879, 9615..9637, 9660..9787, 11545..11639, 12852..12956, 13701..13812		

Seq. No.	31771	Seq. ID	OJ990709_03.9C01.C2
Gene No.	65753	Strand	+
Start	7214	End	15602
Name	OJ990709_03.9C01.C2.o3.np	Method	AAT/NAP
Start	8677	End	11685
GI	6714370	Score	671
Exons	8677..8746, 9660..9787, 10917..11021, 11545..11685		
GI Descrip.	(AC012562) putative ubiquitin conjugating enzyme [Arabidopsis thaliana]		

Seq. No.	31771	Seq. ID	OJ990709_03.9C01.C2
Gene No.	65753	Strand	+
Start	7214	End	15602

Name	OJ990709_03.9C01.C2.o1.gp	Method	AAT/GAP
Start	10463	End	11839
GI	18179_2.R1084	Score	1548
Exons	10463..11021, 11545..11839		
GI Descrip.	'464981/sp\|P35135\|UBC4_LYCES 1.0e-40 UBIQUITIN-CONJUGATING ENZYME E2-17 KD (UBIQUITIN-PROTEIN LIGASE) (UBIQUITIN CARRIER PROTEIN) >gi_388207 (L23762) ubiquitin carrier protein [Lycopersicon esculentum]'		

Seq. No.	31771	Seq. ID	OJ990709_03.9C01.C2
Gene No.	65753	Strand	+
Start	7214	End	15602
Name	OJ990709_03.9C01.C2.o4.np	Method	AAT/NAP
Start	12812	End	12951
GI	2191149	Score	60
Exons	12812..12951		
GI Descrip.	(AF007269) Similar to protein kinase [Arabidopsis thaliana]		

Seq. No.	31771	Seq. ID	OJ990709_03.9C01.C2
Gene No.	65753	Strand	+
Start	7214	End	15602
Name	OJ990709_03.9C01.C2.o5.np	Method	AAT/NAP
Start	13065	End	15602
GI	127592	Score	51
Exons	13065..13196, 15520..15602		
GI Descrip.	MYB PROTEIN gi\|68886\|pir\|\|TVFFMA transforming protein myb - fruit fly (Drosophila melanogaster) gi\|8277\|emb\|CAA29373\| (X05939) Open reading frame (AA 1-657) [Drosophila melanogaster]		

Seq. No.	31771	Seq. ID	OJ990709_03.9C01.C2
Gene No.	65754	Strand	+
Start	15891	End	23266
Name	OJ990709_03.9C01.C2.o3.gs	Method	GENSCAN
Start	15891	End	23266
GI	none	Score	.64
Exons	15891..16083, 16165..17417, 17548..17668, 17938..18219, 18664..18817, 18893..19047, 19071..19240, 19346..19607, 19641..19759, 19840..20138, 20243..20404, 20412..20502, 20595..20850, 20966..20988, 21045..21353, 21360..21480, 21544..21749, 21858..22085, 22165..22485, 22571..22712, 23124..23266		

Seq. No.	31771	Seq. ID	OJ990709_03.9C01.C2
Gene No.	65754	Strand	+
Start	15891	End	23266
Name	OJ990709_03.9C01.C2.o6.np	Method	AAT/NAP
Start	16002	End	21494
GI	5441880	Score	2665
Exons	16002..17013, 17457..17488, 17745..18071, 18678..18817, 18926..19259, 19840..20138, 20243..20502, 20741..20994, 21280..21494		
GI Descrip.	(AP000367) EST C28952(C62945) corresponds to a region of the predicted gene.; Similar to maize transposon MuDR mudrA protein. (AC003981) [Oryza sativa]		

Seq. No.	31771	Seq. ID	OJ990709_03.9C01.C2
Gene No.	65755	Strand	+

Start	29224	End	36076
Name	OJ990709_03.9C01.C2.o8.np	Method	AAT/NAP
Start	29007	End	31002
GI	2792210	Score	670
Exons	29007..29079, 29870..31002		
GI Descrip.	(AF032683) NBS-LRR type resistance protein [Hordeum vulgare]		

Seq. No.	31771	Seq. ID	OJ990709_03.9C01.C2
Gene No.	65755	Strand	+
Start	29224	End	36076
Name	OJ990709_03.9C01.C2.o5.gs	Method	GENSCAN
Start	29224	End	33549
GI	none	Score	.42
Exons	29224..31217, 31374..31552, 32064..32121, 33543..33549		

Seq. No.	31771	Seq. ID	OJ990709_03.9C01.C2
Gene No.	65755	Strand	+
Start	29224	End	36076
Name	OJ990709_03.9C01.C2.o9.np	Method	AAT/NAP
Start	29638	End	36023
GI	2943742	Score	745
Exons	29638..31708, 33935..34057, 34796..34945, 34976..35210, 35671..36023		
GI Descrip.	(AB002266) XA1 [Oryza sativa]		

Seq. No.	31771	Seq. ID	OJ990709_03.9C01.C2
Gene No.	65755	Strand	+
Start	29224	End	36076
Name	OJ990709_03.9C01.C2.o6.gs	Method	GENSCAN
Start	34895	End	36076
GI	none	Score	.56
Exons	34895..36076		

Seq. No.	31771	Seq. ID	OJ990709_03.9C01.C2
Gene No.	65756	Strand	+
Start	37183	End	40745
Name	OJ990709_03.9C01.C2.o7.gs	Method	GENSCAN
Start	37183	End	40372
GI	none	Score	.5
Exons	37183..37358, 39301..39373, 39654..39756, 39784..39893, 40121..40372		

Seq. No.	31771	Seq. ID	OJ990709_03.9C01.C2
Gene No.	65756	Strand	+
Start	37183	End	40745
Name	OJ990709_03.9C01.C2.o3.gp	Method	AAT/GAP
Start	39906	End	40217
GI	none	Score	599
Exons	39906..40217		

Seq. No.	31771	Seq. ID	OJ990709_03.9C01.C2
Gene No.	65756	Strand	+
Start	37183	End	40745
Name	OJ990709_03.9C01.C2.o11.np	Method	AAT/NAP
Start	40264	End	40745
GI	2586082	Score	75
Exons	40264..40395, 40710..40745		

GI Descrip. (U72725) retrofit [Oryza longistaminata]

Seq. No.	31771	Seq. ID	OJ990709_03.9C01.C2
Gene No.	65757	Strand	-
Start	12482	End	13062
Name	OJ990709_03.9C01.C2.o2.gp	Method	AAT/GAP
Start	12482	End	13062
GI	LIB3434-035-P1-K1-A7	Score	456
Exons	12482..12755, 13040..13062		
GI Descrip.	'5441876/dbj\|AP000367.1\|AP000367 1.0e-114 Oryza sativa genomic DNA, chromosome 2, clone:P0437H03 (contig b)'		

Seq. No.	31771	Seq. ID	OJ990709_03.9C01.C2
Gene No.	65758	Strand	-
Start	23103	End	26350
Name	OJ990709_03.9C01.C2.o7.np	Method	AAT/NAP
Start	23103	End	26350
GI	6539588	Score	147
Exons	23103..23129, 25375..25626, 26324..26350		
GI Descrip.	(AP000837) hypothetical protein [Oryza sativa]		

Seq. No.	31771	Seq. ID	OJ990709_03.9C01.C2
Gene No.	65758	Strand	-
Start	23103	End	26350
Name	OJ990709_03.9C01.C2.o4.gs	Method	GENSCAN
Start	25103	End	26350
GI	none	Score	.57
Exons	25103..25279, 25425..25533, 26009..26069, 26278..26350		

Seq. No.	31771	Seq. ID	OJ990709_03.9C01.C2
Gene No.	65759	Strand	-
Start	34996	End	37357
Name	OJ990709_03.9C01.C2.o4.tm	Method	TBLASTX:Maize
Start	8516	End	11703
GI	none	Score	42
Exons	8516..8566, 8674..8748, 8676..8747, 9658..9756, 9659..9823, 10915..11031, 10917..11030, 10928..11068, 11543..11656, 11544..11690, 11545..11688, 11605..11703		

Seq. No.	31771	Seq. ID	OJ990709_03.9C01.C2
Gene No.	65759	Strand	-
Start	34996	End	37357
Name	OJ990709_03.9C01.C2.o2.tc	Method	TBLASTX:Cress
Start	8661	End	9823
GI	none	Score	115
Exons	8661..8747, 8677..8748, 9658..9756, 9659..9823		

Seq. No.	31771	Seq. ID	OJ990709_03.9C01.C2
Gene No.	65759	Strand	-
Start	34996	End	37357
Name	OJ990709_03.9C01.C2.o2.tw	Method	TBLASTX:Wheat
Start	8667	End	11688
GI	none	Score	130
Exons	8667..8747, 8676..8747, 9658..9789, 9658..9756, 9659..9823, 9660..9788, 10916..11023, 10916..11068, 10917..11030, 11543..11686, 11544..11684, 11545..11688, 11605..11685		

Seq. No.	31771	Seq. ID	OJ990709_03.9C01.C2
Gene No.	65759	Strand	-
Start	34996	End	37357
Name	OJ990709_03.9C01.C2.o2.ts	Method	TBLASTX:Soybean
Start	8676	End	11691
GI	none	Score	105
Exons	8676..8747, 8677..8748, 9657..9788, 9658..9789, 9658..9756, 9659..9823, 9662..9775, 10916..11068, 10917..11030, 10933..11031, 11543..11683, 11544..11684, 11545..11691, 11608..11685		

Seq. No.	31771	Seq. ID	OJ990709_03.9C01.C2
Gene No.	65759	Strand	-
Start	34996	End	37357
Name	OJ990709_03.9C01.C2.o1.tc	Method	TBLASTX:Cress
Start	10926	End	11690
GI	none	Score	108
Exons	10926..10991, 10931..10990, 11539..11688, 11541..11690, 11543..11647, 11544..11690		

Seq. No.	31771	Seq. ID	OJ990709_03.9C01.C2
Gene No.	65759	Strand	-
Start	34996	End	37357
Name	OJ990709_03.9C01.C2.o1.tm	Method	TBLASTX:Maize
Start	16569	End	17165
GI	none	Score	364
Exons	16569..17036, 16574..17047, 17094..17165		

Seq. No.	31771	Seq. ID	OJ990709_03.9C01.C2
Gene No.	65759	Strand	-
Start	34996	End	37357
Name	OJ990709_03.9C01.C2.o1.tw	Method	TBLASTX:Wheat
Start	16863	End	17240
GI	none	Score	194
Exons	16863..17012, 16865..17017, 16866..17042, 17066..17134, 17067..17240, 17074..17229		

Seq. No.	31771	Seq. ID	OJ990709_03.9C01.C2
Gene No.	65759	Strand	-
Start	34996	End	37357
Name	OJ990709_03.9C01.C2.o3.tw	Method	TBLASTX:Wheat
Start	18984	End	19166
GI	none	Score	92
Exons	18984..19037, 18998..19048, 19046..19165, 19047..19166		

Seq. No.	31771	Seq. ID	OJ990709_03.9C01.C2
Gene No.	65759	Strand	-
Start	34996	End	37357
Name	OJ990709_03.9C01.C2.o3.tm	Method	TBLASTX:Maize
Start	29312	End	29799
GI	none	Score	243
Exons	29312..29512, 29314..29613, 29481..29651, 29644..29799, 29700..29759		

Seq. No.	31771	Seq. ID	OJ990709_03.9C01.C2
Gene No.	65759	Strand	-
Start	34996	End	37357

Name	OJ990709_03.9C01.C2.o2.tm	Method	TBLASTX:Maize
Start	29953	End	30330
GI	none	Score	107
Exons	29953..30039, 29955..30044, 30046..30330, 30050..30298, 30052..30318		

Seq. No.	31771	Seq. ID	OJ990709_03.9C01.C2
Gene No.	65759	Strand	-
Start	34996	End	37357
Name	OJ990709_03.9C01.C2.o5.tm	Method	TBLASTX:Maize
Start	30457	End	30756
GI	none	Score	193
Exons	30457..30756		

Seq. No.	31771	Seq. ID	OJ990709_03.9C01.C2
Gene No.	65759	Strand	-
Start	34996	End	37357
Name	OJ990709_03.9C01.C2.o1.ts	Method	TBLASTX:Soybean
Start	30478	End	30936
GI	none	Score	247
Exons	30478..30840, 30480..30593, 30615..30749, 30865..30936		

Seq. No.	31771	Seq. ID	OJ990709_03.9C01.C2
Gene No.	65759	Strand	-
Start	34996	End	37357
Name	OJ990709_03.9C01.C2.o10.np	Method	AAT/NAP
Start	34996	End	37357
GI	5922634	Score	109
Exons	34996..35039, 37264..37357		
GI Descrip.	(AP000492) hypothetical protein [Oryza sativa] gi\|6016867\|dbj\|BAA85210.1\| (AP000570) hypothetical protein [Oryza sativa]		

Seq. No.	31771	Seq. ID	OJ990709_03.9C01.C2
Gene No.	65759	Strand	-
Start	34996	End	37357
Name	OJ990709_03.9C01.C2.o6.tm	Method	TBLASTX:Maize
Start	35576	End	35965
GI	none	Score	37
Exons	35576..35644, 35645..35719, 35647..35718, 35735..35965, 35836..35874		

Seq. No.	31772	Seq. ID	OJ990709_03.9C01.C3
Gene No.	65760	Strand	+
Start	48	End	18328
Name	OJ990709_03.9C01.C3.o1.np	Method	AAT/NAP
Start	48	End	4800
GI	2586082	Score	4804
Exons	48..132, 523..3112, 3152..4800		
GI Descrip.	(U72725) retrofit [Oryza longistaminata]		

Seq. No.	31772	Seq. ID	OJ990709_03.9C01.C3
Gene No.	65760	Strand	+
Start	48	End	18328
Name	OJ990709_03.9C01.C3.o3.np	Method	AAT/NAP
Start	1385	End	18328
GI	5702196	Score	479

Exons	1385..1503, 7857..8350, 11184..12516, 17498..17628, 18284..18328		
GI Descrip.	(AF107293) rust resistance protein [Zea mays]		

Seq. No.	31772	Seq. ID	OJ990709_03.9C01.C3
Gene No.	65760	Strand	+
Start	48	End	18328
Name	OJ990709_03.9C01.C3.o2.np	Method	AAT/NAP
Start	8998	End	11052
GI	6069646	Score	995
Exons	8998..9780, 10063..11052		
GI Descrip.	(AP000616) similar to putative reverse transcriptase (AC005315) [Oryza sativa] gi\|6907112\|dbj\|BAA90639.1\| (AP001129) Similar to Arabidopsis thaliana chromosome II BAC F9O13 genomic sequence, putative non-LTR retroelement reverse transcriptase. (AC006248) [Oryza sativa]		

Seq. No.	31772	Seq. ID	OJ990709_03.9C01.C3
Gene No.	65760	Strand	+
Start	48	End	18328
Name	OJ990709_03.9C01.C3.o4.np	Method	AAT/NAP
Start	14160	End	17735
GI	2258319	Score	83
Exons	14160..14184, 17030..17169, 17450..17735		
GI Descrip.	(AF004880) resistance complex protein I2C-3 [Lycopersicon esculentum]		

Seq. No.	31772	Seq. ID	OJ990709_03.9C01.C3
Gene No.	65761	Strand	-
Start	4808	End	5126
Name	OJ990709_03.9C01.C3.o3.tm	Method	TBLASTX:Maize
Start	518	End	947
GI	none	Score	100
Exons	518..616, 528..620, 648..947, 668..925		

Seq. No.	31772	Seq. ID	OJ990709_03.9C01.C3
Gene No.	65761	Strand	-
Start	4808	End	5126
Name	OJ990709_03.9C01.C3.o6.tw	Method	TBLASTX:Wheat
Start	531	End	956
GI	none	Score	91
Exons	531..653, 536..652, 638..766, 642..752, 771..926, 921..956		

Seq. No.	31772	Seq. ID	OJ990709_03.9C01.C3
Gene No.	65761	Strand	-
Start	4808	End	5126
Name	OJ990709_03.9C01.C3.o11.tm	Method	TBLASTX:Maize
Start	948	End	1514
GI	none	Score	81
Exons	948..1079, 1269..1514, 1392..1514		

Seq. No.	31772	Seq. ID	OJ990709_03.9C01.C3
Gene No.	65761	Strand	-
Start	4808	End	5126
Name	OJ990709_03.9C01.C3.o1.tw	Method	TBLASTX:Wheat
Start	1332	End	1724
GI	none	Score	264
Exons	1332..1565, 1383..1517, 1545..1724, 1559..1723		

Seq. No.	31772	Seq. ID	OJ990709_03.9C01.C3
Gene No.	65761	Strand	-
Start	4808	End	5126
Name	OJ990709_03.9C01.C3.o3.ts	Method	TBLASTX:Soybean
Start	1791	End	2214
GI	none	Score	186
Exons	1791..2006, 1897..2010, 1913..1957, 1936..2175, 2031..2201, 2074..2214		

Seq. No.	31772	Seq. ID	OJ990709_03.9C01.C3
Gene No.	65761	Strand	-
Start	4808	End	5126
Name	OJ990709_03.9C01.C3.o5.tw	Method	TBLASTX:Wheat
Start	2010	End	2624
GI	none	Score	165
Exons	2010..2198, 2217..2408, 2418..2480, 2517..2624		

Seq. No.	31772	Seq. ID	OJ990709_03.9C01.C3
Gene No.	65761	Strand	-
Start	4808	End	5126
Name	OJ990709_03.9C01.C3.o1.tc	Method	TBLASTX:Cress
Start	2211	End	2660
GI	none	Score	354
Exons	2211..2660		

Seq. No.	31772	Seq. ID	OJ990709_03.9C01.C3
Gene No.	65761	Strand	-
Start	4808	End	5126
Name	OJ990709_03.9C01.C3.o4.ts	Method	TBLASTX:Soybean
Start	2223	End	2642
GI	none	Score	264
Exons	2223..2642		

Seq. No.	31772	Seq. ID	OJ990709_03.9C01.C3
Gene No.	65761	Strand	-
Start	4808	End	5126
Name	OJ990709_03.9C01.C3.o10.tm	Method	TBLASTX:Maize
Start	2316	End	2639
GI	none	Score	285
Exons	2316..2639, 2447..2635		

Seq. No.	31772	Seq. ID	OJ990709_03.9C01.C3
Gene No.	65761	Strand	-
Start	4808	End	5126
Name	OJ990709_03.9C01.C3.o2.ts	Method	TBLASTX:Soybean
Start	3260	End	3775
GI	5509260	Score	269
Exons	3260..3661, 3274..3375, 3400..3555, 3634..3762, 3635..3775		
GI Descrip.	-		

Seq. No.	31772	Seq. ID	OJ990709_03.9C01.C3
Gene No.	65761	Strand	-
Start	4808	End	5126
Name	OJ990709_03.9C01.C3.o13.tm	Method	TBLASTX:Maize
Start	3302	End	3571
GI	none	Score	212

Exons	3302..3571, 3313..3531, 3353..3535		
Seq. No.	31772	Seq. ID	OJ990709_03.9C01.C3
Gene No.	65761	Strand	-
Start	4808	End	5126
Name	OJ990709_03.9C01.C3.o2.tc	Method	TBLASTX:Cress
Start	3391	End	3661
GI	none	Score	276
Exons	3391..3642, 3392..3661		
Seq. No.	31772	Seq. ID	OJ990709_03.9C01.C3
Gene No.	65761	Strand	-
Start	4808	End	5126
Name	OJ990709_03.9C01.C3.o3.tw	Method	TBLASTX:Wheat
Start	3442	End	3976
GI	none	Score	186
Exons	3442..3561, 3443..3661, 3634..3702, 3635..3784, 3776..3976		
Seq. No.	31772	Seq. ID	OJ990709_03.9C01.C3
Gene No.	65761	Strand	-
Start	4808	End	5126
Name	OJ990709_03.9C01.C3.o5.tm	Method	TBLASTX:Maize
Start	3575	End	3975
GI	none	Score	79
Exons	3575..3661, 3595..3633, 3641..3973, 3655..3741, 3778..3882, 3925..3975		
Seq. No.	31772	Seq. ID	OJ990709_03.9C01.C3
Gene No.	65761	Strand	-
Start	4808	End	5126
Name	OJ990709_03.9C01.C3.o2.tw	Method	TBLASTX:Wheat
Start	3993	End	4389
GI	none	Score	397
Exons	3993..4274, 3994..4389, 4126..4281, 4302..4388		
Seq. No.	31772	Seq. ID	OJ990709_03.9C01.C3
Gene No.	65761	Strand	-
Start	4808	End	5126
Name	OJ990709_03.9C01.C3.o2.tm	Method	TBLASTX:Maize
Start	4144	End	4800
GI	none	Score	291
Exons	4144..4542, 4158..4490, 4578..4643, 4579..4800		
Seq. No.	31772	Seq. ID	OJ990709_03.9C01.C3
Gene No.	65761	Strand	-
Start	4808	End	5126
Name	OJ990709_03.9C01.C3.o1.ts	Method	TBLASTX:Soybean
Start	4153	End	4749
GI	none	Score	547
Exons	4153..4749, 4155..4280, 4341..4544, 4579..4668		
Seq. No.	31772	Seq. ID	OJ990709_03.9C01.C3
Gene No.	65761	Strand	-
Start	4808	End	5126
Name	OJ990709_03.9C01.C3.o1.gp	Method	AAT/GAP
Start	4808	End	5126
GI	none	Score	603

Exons	4808..5126		
Seq. No.	31772	Seq. ID	OJ990709_03.9C01.C3
Gene No.	65762	Strand	
Start	7270	End	7709
Name	OJ990709_03.9C01.C3.o9.tm	Method	TBLASTX:Maize
Start	7270	End	7709
GI	none	Score	250
Exons	7270..7458, 7272..7607, 7272..7619, 7608..7709		
Seq. No.	31772	Seq. ID	OJ990709_03.9C01.C3
Gene No.	65763	Strand	
Start	7863	End	8241
Name	OJ990709_03.9C01.C3.o6.tm	Method	TBLASTX:Maize
Start	7863	End	8241
GI	none	Score	101
Exons	7863..7949, 7865..7945, 7894..7950, 7956..8015, 7962..8015, 7963..8031, 8021..8209, 8024..8191, 8037..8237, 8038..8241, 8038..8241		
Seq. No.	31772	Seq. ID	OJ990709_03.9C01.C3
Gene No.	65764	Strand	
Start	8363	End	8796
Name	OJ990709_03.9C01.C3.o8.tm	Method	TBLASTX:Maize
Start	8363	End	8796
GI	none	Score	84
Exons	8363..8464, 8386..8463, 8455..8796, 8508..8687		
Seq. No.	31772	Seq. ID	OJ990709_03.9C01.C3
Gene No.	65765	Strand	
Start	8875	End	9309
Name	OJ990709_03.9C01.C3.o7.tw	Method	TBLASTX:Wheat
Start	8875	End	9210
GI	none	Score	85
Exons	8875..9027, 9028..9210		
Seq. No.	31772	Seq. ID	OJ990709_03.9C01.C3
Gene No.	65765	Strand	
Start	8875	End	9309
Name	OJ990709_03.9C01.C3.o4.tm	Method	TBLASTX:Maize
Start	8956	End	9309
GI	none	Score	362
Exons	8956..9309, 8967..9296		
Seq. No.	31772	Seq. ID	OJ990709_03.9C01.C3
Gene No.	65766	Strand	
Start	9217	End	10233
Name	OJ990709_03.9C01.C3.o8.tw	Method	TBLASTX:Wheat
Start	9217	End	9522
GI	none	Score	187
Exons	9217..9522, 9366..9512		
Seq. No.	31772	Seq. ID	OJ990709_03.9C01.C3
Gene No.	65766	Strand	
Start	9217	End	10233
Name	OJ990709_03.9C01.C3.o1.tm	Method	TBLASTX:Maize
Start	9310	End	9996

GI	none	Score	465
Exons	9310..9996, 9360..9464, 9489..9647, 9723..9929		

Seq. No.	31772	Seq. ID	OJ990709_03.9C01.C3
Gene No.	65766	Strand	
Start	9217	End	10233
Name	OJ990709_03.9C01.C3.o6.ts	Method	TBLASTX:Soybean
Start	9616	End	10155
GI	none	Score	163
Exons	9616..9966, 9798..9914, 10026..10103, 10027..10155		

Seq. No.	31772	Seq. ID	OJ990709_03.9C01.C3
Gene No.	65766	Strand	
Start	9217	End	10233
Name	OJ990709_03.9C01.C3.o4.tw	Method	TBLASTX:Wheat
Start	9637	End	10077
GI	none	Score	256
Exons	9637..9933, 9639..9929, 9919..10077, 9940..10047		

Seq. No.	31772	Seq. ID	OJ990709_03.9C01.C3
Gene No.	65766	Strand	
Start	9217	End	10233
Name	OJ990709_03.9C01.C3.o12.tm	Method	TBLASTX:Maize
Start	10008	End	10233
GI	none	Score	235
Exons	10008..10232, 10009..10233		

Seq. No.	31772	Seq. ID	OJ990709_03.9C01.C3
Gene No.	65767	Strand	
Start	10564	End	10926
Name	OJ990709_03.9C01.C3.o7.tm	Method	TBLASTX:Maize
Start	10564	End	10850
GI	none	Score	319
Exons	10564..10764, 10566..10850, 10570..10845		

Seq. No.	31772	Seq. ID	OJ990709_03.9C01.C3
Gene No.	65767	Strand	
Start	10564	End	10926
Name	OJ990709_03.9C01.C3.o9.tw	Method	TBLASTX:Wheat
Start	10575	End	10926
GI	none	Score	158
Exons	10575..10742, 10579..10764, 10879..10926		

Seq. No.	31772	Seq. ID	OJ990709_03.9C01.C3
Gene No.	65768	Strand	
Start	11228	End	11687
Name	OJ990709_03.9C01.C3.o5.ts	Method	TBLASTX:Soybean
Start	11228	End	11687
GI	none	Score	119
Exons	11228..11392, 11415..11591, 11616..11687		

Seq. No.	31772	Seq. ID	OJ990709_03.9C01.C3
Gene No.	65769	Strand	
Start	16456	End	17157
Name	OJ990709_03.9C01.C3.o15.tm	Method	TBLASTX:Maize
Start	16456	End	17157
GI	none	Score	50

Exons	16456..16488, 16579..16698, 16702..17040, 16761..16871, 16911..17018, 17096..17149, 17107..17157		
Seq. No.	31772	Seq. ID	OJ990709_03.9C01.C3
Gene No.	65770	Strand	
Start	17257	End	17634
Name	OJ990709_03.9C01.C3.o14.tm	Method	TBLASTX:Maize
Start	17257	End	17634
GI	none	Score	84
Exons	17257..17388, 17263..17385, 17388..17549, 17389..17634		
Seq. No.	31773	Seq. ID	OJ990709_03.9C01.C4
Gene No.	65771	Strand	+
Start	2582	End	2913
Name	OJ990709_03.9C01.C4.o1.gs	Method	GENSCAN
Start	2582	End	2913
GI	none	Score	.67
Exons	2582..2676, 2820..2913		
Seq. No.	31773	Seq. ID	OJ990709_03.9C01.C4
Gene No.	65772	Strand	-
Start	2829	End	2971
Name	OJ990709_03.9C01.C4.o1.gp	Method	AAT/GAP
Start	2829	End	2971
GI	21474_1.R1084	Score	256
Exons	2829..2971		
GI Descrip.	'3894159 2.0e-10 (AC005312) hypothetical protein [Arabidopsis thaliana]'		
Seq. No.	31773	Seq. ID	OJ990709_03.9C01.C4
Gene No.	65773	Strand	-
Start	3335	End	3520
Name	OJ990709_03.9C01.C4.o2.gs	Method	GENSCAN
Start	3335	End	3520
GI	none	Score	.98
Exons	3335..3520		
Seq. No.	31774	Seq. ID	OJ990709_03.9C01.C5
Gene No.	65774	Strand	-
Start	1	End	2326
Name	OJ990709_03.9C01.C5.o1.np	Method	AAT/NAP
Start	1	End	2326
GI	4680204	Score	573
Exons	1..175, 272..445, 555..1651, 1726..2326		
GI Descrip.	(AF114171) hypothetical protein [Sorghum bicolor]		
Seq. No.	31774	Seq. ID	OJ990709_03.9C01.C5
Gene No.	65774	Strand	-
Start	1	End	2326
Name	OJ990709_03.9C01.C5.o1.gs	Method	GENSCAN
Start	65	End	2139
GI	none	Score	.9
Exons	65..175, 272..445, 555..1240, 1242..1384, 1510..1651, 1726..1845, 1891..2139		
Seq. No.	31774	Seq. ID	OJ990709_03.9C01.C5
Gene No.	65774	Strand	-

Start	1	End	2326
Name	OJ990709_03.9C01.C5.o1.tw	Method	TBLASTX:Wheat
Start	106	End	628
GI	none	Score	68
Exons	106..177, 277..459, 284..409,	548..628	

Seq. No.	31775	Seq. ID	OJ990709_03.9C01.C6
Gene No.	65775	Strand	-
Start	1	End	650
Name	OJ990709_03.9C01.C6.o1.np	Method	AAT/NAP
Start	1	End	650
GI	4680204	Score	232
Exons	1..650		
GI Descrip.	(AF114171) hypothetical protein [Sorghum bicolor]		

Seq. No.	31776	Seq. ID	OJ990709_03.9C01.C7
Gene No.	65776	Strand	+
Start	1505	End	2394
Name	OJ990709_03.9C01.C7.o4.gp	Method	AAT/GAP
Start	1505	End	2394
GI	101153_1.R1084	Score	998
Exons	1505..1849, 2167..2394		
GI Descrip.	'5852170/emb\|AL117265.1\|OST17804 1.0e-115 Oryza sativa indica(GLA4) genomic DNA, chromosome 4, BAC clone:t17804'		

Seq. No.	31776	Seq. ID	OJ990709_03.9C01.C7
Gene No.	65777	Strand	+
Start	2413	End	2840
Name	OJ990709_03.9C01.C7.o5.gp	Method	AAT/GAP
Start	2413	End	2840
GI	2428185	Score	829
Exons	2413..2840		
GI Descrip.	5852170/emb\|AL117265.1\|OST17804 1.0e-177 Oryza sativa indica(GLA4) genomic DNA, chromosome 4, BAC clone:t17804		

Seq. No.	31776	Seq. ID	OJ990709_03.9C01.C7
Gene No.	65778	Strand	+
Start	7756	End	8008
Name	OJ990709_03.9C01.C7.o2.np	Method	AAT/NAP
Start	7756	End	8008
GI	6862929	Score	81
Exons	7756..8008		
GI Descrip.	(AC018907) unknown protein [Arabidopsis thaliana]		

Seq. No.	31776	Seq. ID	OJ990709_03.9C01.C7
Gene No.	65779	Strand	-
Start	1	End	6688
Name	OJ990709_03.9C01.C7.o1.gp	Method	AAT/GAP
Start	1	End	431
GI	342_1.R1084	Score	543
Exons	1..224, 334..431		
GI Descrip.	'4574406/gb\|AAD24042.1\| 0.0e+00 (AF121139) RIM2 protein [Oryza sativa]'		

Seq. No.	31776	Seq. ID	OJ990709_03.9C01.C7
Gene No.	65779	Strand	-
Start	1	End	6688

Name	OJ990709_03.9C01.C7.o2.gp	Method	AAT/GAP
Start	1	End	2601
GI	342_1.R1084	Score	540
Exons	1..224, 334..438, 2546..2601		
GI Descrip.	'4574406/gb\|AAD24042.1\| 0.0e+00 (AF121139) RIM2 protein [Oryza sativa]'		

Seq. No.	31776	Seq. ID	OJ990709_03.9C01.C7
Gene No.	65779	Strand	-
Start	1	End	6688
Name	OJ990709_03.9C01.C7.o3.gp	Method	AAT/GAP
Start	1	End	432
GI	342_1.R1084	Score	537
Exons	1..224, 334..432		
GI Descrip.	'4574406/gb\|AAD24042.1\| 0.0e+00 (AF121139) RIM2 protein [Oryza sativa]'		

Seq. No.	31776	Seq. ID	OJ990709_03.9C01.C7
Gene No.	65779	Strand	-
Start	1	End	6688
Name	OJ990709_03.9C01.C7.o1.np	Method	AAT/NAP
Start	535	End	6688
GI	4680203	Score	979
Exons	535..651, 3618..4415, 6570..6688		
GI Descrip.	(AF114171) TNP2-like protein [Sorghum bicolor]		

Seq. No.	31776	Seq. ID	OJ990709_03.9C01.C7
Gene No.	65779	Strand	-
Start	1	End	6688
Name	OJ990709_03.9C01.C7.o7.gp	Method	AAT/GAP
Start	3368	End	3661
GI	61605_3.R1084	Score	465
Exons	3368..3661		
GI Descrip.	'1402920/emb\|CAA66965\| 2.0e-20 (X98321) peroxidase [Arabidopsis thaliana]'		

Seq. No.	31776	Seq. ID	OJ990709_03.9C01.C7
Gene No.	65779	Strand	-
Start	1	End	6688
Name	OJ990709_03.9C01.C7.o1.ts	Method	TBLASTX:Soybean
Start	3651	End	3941
GI	none	Score	103
Exons	3651..3716, 3723..3941, 3727..3933		

Seq. No.	31776	Seq. ID	OJ990709_03.9C01.C7
Gene No.	65779	Strand	-
Start	1	End	6688
Name	OJ990709_03.9C01.C7.o1.tw	Method	TBLASTX:Wheat
Start	3708	End	4064
GI	none	Score	158
Exons	3708..3965, 3713..3964, 3723..3974, 3724..3966, 3957..4064		

Seq. No.	31776	Seq. ID	OJ990709_03.9C01.C7
Gene No.	65779	Strand	-
Start	1	End	6688
Name	OJ990709_03.9C01.C7.o8.gp	Method	AAT/GAP
Start	4276	End	4863

GI	2310235	Score	300
Exons	4276..4415, 4826..4863		
GI Descrip.	5852182/emb\|CAB55420.1\| 9.0e-13 (AL117265) zhb0012.1 [Oryza sativa]		

Seq. No.	31777	Seq. ID	OJ990709_03.9C01.C8
Gene No.	65780	Strand	+
Start	1	End	2363
Name	OJ990709_03.9C01.C8.o1.np	Method	AAT/NAP
Start	1	End	2360
GI	4680179	Score	3544
Exons	1..2360		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	31777	Seq. ID	OJ990709_03.9C01.C8
Gene No.	65780	Strand	+
Start	1	End	2363
Name	OJ990709_03.9C01.C8.o1.ts	Method	TBLASTX:Soybean
Start	1	End	342
GI	none	Score	46
Exons	1..36, 91..342, 99..329		

Seq. No.	31777	Seq. ID	OJ990709_03.9C01.C8
Gene No.	65780	Strand	+
Start	1	End	2363
Name	OJ990709_03.9C01.C8.o1.gs	Method	GENSCAN
Start	44	End	2363
GI	none	Score	.83
Exons	44..1386, 1464..2363		

Seq. No.	31777	Seq. ID	OJ990709_03.9C01.C8
Gene No.	65780	Strand	+
Start	1	End	2363
Name	OJ990709_03.9C01.C8.o4.tw	Method	TBLASTX:Wheat
Start	74	End	357
GI	none	Score	57
Exons	74..148, 94..357, 96..356		

Seq. No.	31777	Seq. ID	OJ990709_03.9C01.C8
Gene No.	65780	Strand	+
Start	1	End	2363
Name	OJ990709_03.9C01.C8.o4.tm	Method	TBLASTX:Maize
Start	91	End	423
GI	none	Score	308
Exons	91..423, 144..422		

Seq. No.	31777	Seq. ID	OJ990709_03.9C01.C8
Gene No.	65780	Strand	+
Start	1	End	2363
Name	OJ990709_03.9C01.C8.o3.tw	Method	TBLASTX:Wheat
Start	358	End	783
GI	none	Score	596
Exons	358..783, 360..776, 433..783		

Seq. No.	31777	Seq. ID	OJ990709_03.9C01.C8
Gene No.	65780	Strand	+
Start	1	End	2363

Name	OJ990709_03.9C01.C8.o3.ts	Method	TBLASTX:Soybean
Start	364	End	612
GI	none	Score	210
Exons	364..612		

Seq. No.	31777	Seq. ID	OJ990709_03.9C01.C8
Gene No.	65780	Strand	+
Start	1	End	2363
Name	OJ990709_03.9C01.C8.o2.tm	Method	TBLASTX:Maize
Start	430	End	783
GI	none	Score	467
Exons	430..783, 435..776		

Seq. No.	31777	Seq. ID	OJ990709_03.9C01.C8
Gene No.	65780	Strand	+
Start	1	End	2363
Name	OJ990709_03.9C01.C8.o2.tw	Method	TBLASTX:Wheat
Start	811	End	1350
GI	none	Score	626
Exons	811..1350, 993..1346, 1069..1350		

Seq. No.	31777	Seq. ID	OJ990709_03.9C01.C8
Gene No.	65780	Strand	+
Start	1	End	2363
Name	OJ990709_03.9C01.C8.o1.tc	Method	TBLASTX:Cress
Start	1048	End	1374
GI	none	Score	90
Exons	1048..1230, 1231..1374, 1233..1373		

Seq. No.	31777	Seq. ID	OJ990709_03.9C01.C8
Gene No.	65780	Strand	+
Start	1	End	2363
Name	OJ990709_03.9C01.C8.o2.ts	Method	TBLASTX:Soybean
Start	1138	End	1398
GI	none	Score	301
Exons	1138..1398, 1149..1397, 1150..1398		

Seq. No.	31777	Seq. ID	OJ990709_03.9C01.C8
Gene No.	65780	Strand	+
Start	1	End	2363
Name	OJ990709_03.9C01.C8.o3.tm	Method	TBLASTX:Maize
Start	1159	End	1416
GI	none	Score	378
Exons	1159..1401, 1162..1416, 1164..1406		

Seq. No.	31777	Seq. ID	OJ990709_03.9C01.C8
Gene No.	65780	Strand	+
Start	1	End	2363
Name	OJ990709_03.9C01.C8.o1.tw	Method	TBLASTX:Wheat
Start	1357	End	1982
GI	none	Score	65
Exons	1357..1419, 1389..1982, 1418..1864, 1922..1981		

Seq. No.	31777	Seq. ID	OJ990709_03.9C01.C8
Gene No.	65780	Strand	+
Start	1	End	2363
Name	OJ990709_03.9C01.C8.o5.tm	Method	TBLASTX:Maize

Start	1418	End	1535
GI	none	Score	60
Exons	1418..1507, 1418..1531, 1419..1535		

Seq. No.	31777	Seq. ID	OJ990709_03.9C01.C8
Gene No.	65780	Strand	+
Start	1	End	2363
Name	OJ990709_03.9C01.C8.o1.tm	Method	TBLASTX:Maize
Start	1535	End	2120
GI	none	Score	229
Exons	1535..1690, 1536..1697, 1556..1699, 1694..1867, 1695..2120, 1854..2099, 1922..2119		

Seq. No.	31777	Seq. ID	OJ990709_03.9C01.C8
Gene No.	65780	Strand	+
Start	1	End	2363
Name	OJ990709_03.9C01.C8.o5.tw	Method	TBLASTX:Wheat
Start	1982	End	2315
GI	none	Score	312
Exons	1982..2263, 1983..2315, 2148..2294		

Seq. No.	31778	Seq. ID	OJ990709_03.9C01.C9
Gene No.	65781	Strand	+
Start	6418	End	7209
Name	OJ990709_03.9C01.C9.o2.np	Method	AAT/NAP
Start	6418	End	7206
GI	4512231	Score	1257
Exons	6418..7206		
GI Descrip.	(AB014741) ORF0 protein [Oryza sativa]		

Seq. No.	31778	Seq. ID	OJ990709_03.9C01.C9
Gene No.	65781	Strand	+
Start	6418	End	7209
Name	OJ990709_03.9C01.C9.o2.gs	Method	GENSCAN
Start	6418	End	7209
GI	none	Score	.74
Exons	6418..7209		

Seq. No.	31778	Seq. ID	OJ990709_03.9C01.C9
Gene No.	65782	Strand	+
Start	7479	End	9426
Name	OJ990709_03.9C01.C9.o3.np	Method	AAT/NAP
Start	7433	End	9426
GI	4680179	Score	1852
Exons	7433..9426		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	31778	Seq. ID	OJ990709_03.9C01.C9
Gene No.	65782	Strand	+
Start	7479	End	9426
Name	OJ990709_03.9C01.C9.o3.gs	Method	GENSCAN
Start	7479	End	9398
GI	none	Score	.97
Exons	7479..9398		

Seq. No.	31778	Seq. ID	OJ990709_03.9C01.C9
Gene No.	65783	Strand	-

Start	1	End	9415
Name	OJ990709_03.9C01.C9.o1.np	Method	AAT/NAP
Start	1	End	4483
GI	4680179	Score	2637
Exons	1..23, 453..2669, 2703..2826, 4394..4483		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	31778	Seq. ID	OJ990709_03.9C01.C9
Gene No.	65783	Strand	-
Start	1	End	9415
Name	OJ990709_03.9C01.C9.o7.tw	Method	TBLASTX:Wheat
Start	570	End	779
GI	none	Score	110
Exons	570..779, 571..768		

Seq. No.	31778	Seq. ID	OJ990709_03.9C01.C9
Gene No.	65783	Strand	-
Start	1	End	9415
Name	OJ990709_03.9C01.C9.o1.gs	Method	GENSCAN
Start	776	End	5310
GI	none	Score	.76
Exons	776..1546, 1604..1904, 1995..2920, 3451..3582, 3623..3785, 3808..4195, 5220..5310		

Seq. No.	31778	Seq. ID	OJ990709_03.9C01.C9
Gene No.	65783	Strand	-
Start	1	End	9415
Name	OJ990709_03.9C01.C9.o1.tw	Method	TBLASTX:Wheat
Start	785	End	1267
GI	none	Score	227
Exons	785..1267, 842..1204, 846..1235		

Seq. No.	31778	Seq. ID	OJ990709_03.9C01.C9
Gene No.	65783	Strand	-
Start	1	End	9415
Name	OJ990709_03.9C01.C9.o1.tm	Method	TBLASTX:Maize
Start	833	End	1196
GI	none	Score	169
Exons	833..1195, 842..1195, 846..1196		

Seq. No.	31778	Seq. ID	OJ990709_03.9C01.C9
Gene No.	65783	Strand	-
Start	1	End	9415
Name	OJ990709_03.9C01.C9.o2.ts	Method	TBLASTX:Soybean
Start	1016	End	1261
GI	none	Score	98
Exons	1016..1261, 1017..1244		

Seq. No.	31778	Seq. ID	OJ990709_03.9C01.C9
Gene No.	65783	Strand	-
Start	1	End	9415
Name	OJ990709_03.9C01.C9.o2.tm	Method	TBLASTX:Maize
Start	1232	End	1732
GI	none	Score	50
Exons	1232..1546, 1275..1325, 1353..1406, 1553..1732, 1605..1724		

Seq. No.	31778	Seq. ID	OJ990709_03.9C01.C9

Gene No.	65783	Strand	-
Start	1	End	9415
Name	OJ990709_03.9C01.C9.o3.tw	Method	TBLASTX:Wheat
Start	1268	End	1570
GI	none	Score	250
Exons	1268..1570, 1284..1559, 1510..1569		

Seq. No.	31778	Seq. ID	OJ990709_03.9C01.C9
Gene No.	65783	Strand	-
Start	1	End	9415
Name	OJ990709_03.9C01.C9.o1.ts	Method	TBLASTX:Soybean
Start	1283	End	1678
GI	none	Score	185
Exons	1283..1642, 1284..1559, 1605..1640, 1646..1678, 1647..1676		

Seq. No.	31778	Seq. ID	OJ990709_03.9C01.C9
Gene No.	65783	Strand	-
Start	1	End	9415
Name	OJ990709_03.9C01.C9.o2.tw	Method	TBLASTX:Wheat
Start	1619	End	9415
GI	none	Score	266
Exons	1619..1996, 1662..2105, 1716..2027, 9050..9415, 9051..9407		

Seq. No.	31778	Seq. ID	OJ990709_03.9C01.C9
Gene No.	65783	Strand	-
Start	1	End	9415
Name	OJ990709_03.9C01.C9.o3.ts	Method	TBLASTX:Soybean
Start	1751	End	9389
GI	none	Score	182
Exons	1751..1954, 9087..9389		

Seq. No.	31778	Seq. ID	OJ990709_03.9C01.C9
Gene No.	65783	Strand	-
Start	1	End	9415
Name	OJ990709_03.9C01.C9.o3.tm	Method	TBLASTX:Maize
Start	1800	End	9352
GI	none	Score	201
Exons	1800..2090, 1802..2089, 9060..9350, 9062..9352		

Seq. No.	31778	Seq. ID	OJ990709_03.9C01.C9
Gene No.	65783	Strand	-
Start	1	End	9415
Name	OJ990709_03.9C01.C9.o5.tw	Method	TBLASTX:Wheat
Start	2270	End	8888
GI	none	Score	65
Exons	2270..2383, 2271..2384, 2429..2638, 2496..2582, 8523..8570, 8567..8680, 8571..8705, 8769..8888, 8774..8887		

Seq. No.	31778	Seq. ID	OJ990709_03.9C01.C9
Gene No.	65783	Strand	-
Start	1	End	9415
Name	OJ990709_03.9C01.C9.o5.tm	Method	TBLASTX:Maize
Start	2321	End	8831
GI	none	Score	146
Exons	2321..2671, 8571..8831		

Seq. No.	31778	Seq. ID	OJ990709_03.9C01.C9

Gene No.	65783	Strand	-
Start	1	End	9415
Name	OJ990709_03.9C01.C9.o6.tw	Method	TBLASTX:Wheat
Start	7640	End	7838
GI	none	Score	215
Exons	7640..7837, 7641..7838		

Seq. No.	31778	Seq. ID	OJ990709_03.9C01.C9
Gene No.	65783	Strand	-
Start	1	End	9415
Name	OJ990709_03.9C01.C9.o4.tw	Method	TBLASTX:Wheat
Start	7889	End	8240
GI	none	Score	306
Exons	7889..8062, 7890..8240, 8038..8106		

Seq. No.	31778	Seq. ID	OJ990709_03.9C01.C9
Gene No.	65783	Strand	-
Start	1	End	9415
Name	OJ990709_03.9C01.C9.o4.tm	Method	TBLASTX:Maize
Start	7890	End	8195
GI	none	Score	246
Exons	7890..8195		

Seq. No.	31779	Seq. ID	OJ990709_03.9C01.C10
Gene No.	65784	Strand	+
Start	1	End	9648
Name	OJ990709_03.9C01.C10.o1.gp	Method	AAT/GAP
Start	1	End	102
GI	LIB3433-026-P1-K1-C1	Score	161
Exons	1..102		
GI Descrip.	'5852170/emb\|AL117265.1\|OST17804 1.0e-44 Oryza sativa indica(GLA4) genomic DNA, chromosome 4, BAC clone:t17804'		

Seq. No.	31779	Seq. ID	OJ990709_03.9C01.C10
Gene No.	65784	Strand	+
Start	1	End	9648
Name	OJ990709_03.9C01.C10.o3.np	Method	AAT/NAP
Start	1	End	9648
GI	5852180	Score	438
Exons	1..38, 3099..3168, 4152..4276, 4328..4741, 9616..9648		
GI Descrip.	(AL117265) zhb00010.1 [Oryza sativa]		

Seq. No.	31779	Seq. ID	OJ990709_03.9C01.C10
Gene No.	65785	Strand	-
Start	1	End	4313
Name	OJ990709_03.9C01.C10.o1.np	Method	AAT/NAP
Start	1	End	1075
GI	4680179	Score	699
Exons	1..62, 212..1075		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	31779	Seq. ID	OJ990709_03.9C01.C10
Gene No.	65785	Strand	-
Start	1	End	4313
Name	OJ990709_03.9C01.C10.o1.gs	Method	GENSCAN
Start	134	End	4313
GI	none	Score	.85

Exons	134..1072, 1237..1328, 1469..1937, 2003..2131, 3229..3324, 4245..4313		
Seq. No.	31779	Seq. ID	OJ990709_03.9C01.C10
Gene No.	65785	Strand	-
Start	1	End	4313
Name	OJ990709_03.9C01.C10.o2.np	Method	AAT/NAP
Start	314	End	2129
GI	4512231	Score	147
Exons	314..343, 1563..2129		
GI Descrip.	(AB014741) ORF0 protein [Oryza sativa]		

Seq. No.	31779	Seq. ID	OJ990709_03.9C01.C10
Gene No.	65785	Strand	-
Start	1	End	4313
Name	OJ990709_03.9C01.C10.o2.gp	Method	AAT/GAP
Start	3018	End	3397
GI	uC-osflcyp033a04b1	Score	633
Exons	3018..3397		
GI Descrip.	'6016845/dbj\|AP000570.1\|AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		

Seq. No.	31779	Seq. ID	OJ990709_03.9C01.C10
Gene No.	65786	Strand	-
Start	5459	End	9648
Name	OJ990709_03.9C01.C10.o3.tm	Method	TBLASTX:Maize
Start	287	End	592
GI	none	Score	77
Exons	287..592, 462..578		

Seq. No.	31779	Seq. ID	OJ990709_03.9C01.C10
Gene No.	65786	Strand	-
Start	5459	End	9648
Name	OJ990709_03.9C01.C10.o4.tw	Method	TBLASTX:Wheat
Start	473	End	833
GI	none	Score	141
Exons	473..832, 474..833		

Seq. No.	31779	Seq. ID	OJ990709_03.9C01.C10
Gene No.	65786	Strand	-
Start	5459	End	9648
Name	OJ990709_03.9C01.C10.o4.np	Method	AAT/NAP
Start	5459	End	9648
GI	4680179	Score	1877
Exons	5459..6810, 9617..9648		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	31779	Seq. ID	OJ990709_03.9C01.C10
Gene No.	65786	Strand	-
Start	5459	End	9648
Name	OJ990709_03.9C01.C10.o3.tw	Method	TBLASTX:Wheat
Start	5504	End	5837
GI	none	Score	93
Exons	5504..5836, 5525..5833, 5568..5837		

Seq. No.	31779	Seq. ID	OJ990709_03.9C01.C10
Gene No.	65786	Strand	-

Start	5459	End	9648
Name	OJ990709_03.9C01.C10.o1.tm	Method	TBLASTX:Maize
Start	5684	End	6283
GI	none	Score	222
Exons	5684..6124, 5700..6122, 6074..6124, 6122..6283, 6129..6275, 6238..6279		

Seq. No.	31779	Seq. ID	OJ990709_03.9C01.C10
Gene No.	65786	Strand	-
Start	5459	End	9648
Name	OJ990709_03.9C01.C10.o1.tw	Method	TBLASTX:Wheat
Start	5837	End	6463
GI	none	Score	47
Exons	5837..6463, 5840..5962, 5949..6407		

Seq. No.	31779	Seq. ID	OJ990709_03.9C01.C10
Gene No.	65786	Strand	-
Start	5459	End	9648
Name	OJ990709_03.9C01.C10.o2.tm	Method	TBLASTX:Maize
Start	6332	End	6624
GI	none	Score	215
Exons	6332..6622, 6336..6623, 6436..6624		

Seq. No.	31779	Seq. ID	OJ990709_03.9C01.C10
Gene No.	65786	Strand	-
Start	5459	End	9648
Name	OJ990709_03.9C01.C10.o1.ts	Method	TBLASTX:Soybean
Start	6421	End	6682
GI	none	Score	137
Exons	6421..6552, 6422..6682, 6423..6677		

Seq. No.	31779	Seq. ID	OJ990709_03.9C01.C10
Gene No.	65786	Strand	-
Start	5459	End	9648
Name	OJ990709_03.9C01.C10.o1.tc	Method	TBLASTX:Cress
Start	6446	End	6763
GI	none	Score	84
Exons	6446..6586, 6447..6587, 6590..6763		

Seq. No.	31779	Seq. ID	OJ990709_03.9C01.C10
Gene No.	65786	Strand	-
Start	5459	End	9648
Name	OJ990709_03.9C01.C10.o2.tw	Method	TBLASTX:Wheat
Start	6470	End	6790
GI	none	Score	240
Exons	6470..6784, 6471..6728, 6476..6790		

Seq. No.	31779	Seq. ID	OJ990709_03.9C01.C10
Gene No.	65786	Strand	-
Start	5459	End	9648
Name	OJ990709_03.9C01.C10.o3.gp	Method	AAT/GAP
Start	7356	End	7866
GI	LIB3434-038-P1-K1-F1	Score	743
Exons	7356..7866		
GI Descrip.	'5257255/dbj\|AP000364.1\|AP000364 0.0e+00 Oryza sativa genomic DNA, chromosome 8, clone:P0026F07'		

Seq. No.	31779	Seq. ID	OJ990709_03.9C01.C10
Gene No.	65786	Strand	-
Start	5459	End	9648
Name	OJ990709_03.9C01.C10.o5.np	Method	AAT/NAP
Start	9447	End	9648
GI	5257279	Score	118
Exons	9447..9648		
GI Descrip.	(AP000364) Similar to Transposon MAGGY gag and pol gene homologues. (L35053) [Oryza sativa]		

Seq. No.	31780	Seq. ID	OJ990709_03.9C01.C11
Gene No.	65787	Strand	+
Start	601	End	4079
Name	OJ990709_03.9C01.C11.o1.np	Method	AAT/NAP
Start	601	End	4079
GI	6539581	Score	721
Exons	601..963, 1297..2161, 2322..2610, 4019..4079		
GI Descrip.	(AP000837) Similar to Arabidopsis thaliana DNA chromosome 4, BAC clone F20D10; hypothetical protein (AL035538) [Oryza sativa]		

Seq. No.	31780	Seq. ID	OJ990709_03.9C01.C11
Gene No.	65787	Strand	+
Start	601	End	4079
Name	OJ990709_03.9C01.C11.o1.gs	Method	GENSCAN
Start	1297	End	2791
GI	none	Score	.57
Exons	1297..1911, 2294..2791		

Seq. No.	31780	Seq. ID	OJ990709_03.9C01.C11
Gene No.	65788	Strand	-
Start	2664	End	2860
Name	OJ990709_03.9C01.C11.o1.gp	Method	AAT/GAP
Start	2664	End	2860
GI	none	Score	324
Exons	2664..2860		

Seq. No.	31780	Seq. ID	OJ990709_03.9C01.C11
Gene No.	65789	Strand	-
Start	3358	End	3921
Name	OJ990709_03.9C01.C11.o1.tw	Method	TBLASTX:Wheat
Start	705	End	930
GI	none	Score	263
Exons	705..929, 706..930		

Seq. No.	31780	Seq. ID	OJ990709_03.9C01.C11
Gene No.	65789	Strand	-
Start	3358	End	3921
Name	OJ990709_03.9C01.C11.o1.ts	Method	TBLASTX:Soybean
Start	822	End	1734
GI	none	Score	137
Exons	822..950, 823..960, 823..954, 1291..1734, 1291..1599, 1669..1692		

Seq. No.	31780	Seq. ID	OJ990709_03.9C01.C11
Gene No.	65789	Strand	-
Start	3358	End	3921
Name	OJ990709_03.9C01.C11.o1.tm	Method	TBLASTX:Maize
Start	865	End	1800

GI	none	Score	67
Exons	865..960, 1291..1524, 1299..1505, 1561..1800		

Seq. No.	31780	Seq. ID	OJ990709_03.9C01.C11
Gene No.	65789	Strand	-
Start	3358	End	3921
Name	OJ990709_03.9C01.C11.o2.tw	Method	TBLASTX:Wheat
Start	1324	End	1761
GI	none	Score	158
Exons	1324..1506, 1541..1759, 1543..1761		

Seq. No.	31780	Seq. ID	OJ990709_03.9C01.C11
Gene No.	65789	Strand	-
Start	3358	End	3921
Name	OJ990709_03.9C01.C11.o2.gs	Method	GENSCAN
Start	3358	End	3921
GI	none	Score	.82
Exons	3358..3576, 3823..3921		

Seq. No.	31781	Seq. ID	OJ990709_03.9C01.C12
Gene No.	65790	Strand	-
Start	36	End	5927
Name	OJ990709_03.9C01.C12.o1.gs	Method	GENSCAN
Start	36	End	5927
GI	none	Score	.57
Exons	36..82, 295..484, 799..939, 1329..1925, 2640..2800, 4223..4338, 4568..4799, 5080..5168, 5260..5322, 5393..5542, 5584..5693, 5782..5927		

Seq. No.	31782	Seq. ID	OJ990709_03.9C01.C13
Gene No.	65791	Strand	+
Start	20	End	1884
Name	OJ990709_03.9C01.C13.o1.gs	Method	GENSCAN
Start	20	End	1884
GI	none	Score	.59
Exons	20..171, 180..505, 1868..1884		

Seq. No.	31782	Seq. ID	OJ990709_03.9C01.C13
Gene No.	65791	Strand	+
Start	20	End	1884
Name	OJ990709_03.9C01.C13.o1.gp	Method	AAT/GAP
Start	627	End	718
GI	2798689	Score	106
Exons	627..718		

Seq. No.	31783	Seq. ID	OJ990709_03.9C01.C14
Gene No.	65792	Strand	+
Start	124	End	1749
Name	OJ990709_03.9C01.C14.o1.gs	Method	GENSCAN
Start	124	End	1749
GI	none	Score	.45
Exons	124..248, 634..779, 1695..1749		

Seq. No.	31783	Seq. ID	OJ990709_03.9C01.C14
Gene No.	65793	Strand	-
Start	4331	End	8542
Name	OJ990709_03.9C01.C14.o2.gs	Method	GENSCAN

Start	4331	End	8542
GI	none	Score	.75
Exons	4331..5236, 6126..6221, 6664..6801, 6869..7060, 8336..8542		

Seq. No.	31784	Seq. ID	OJ990709_03.9C01.C15
Gene No.	65794	Strand	-
Start	1	End	676
Name	OJ990709_03.9C01.C15.o1.np	Method	AAT/NAP
Start	1	End	314
GI	5734709	Score	89
Exons	1..314		
GI Descrip.	(AC008075) Contains PF\|00069 Eukaryotic protein kinase domain. [Arabidopsis thaliana]		

Seq. No.	31784	Seq. ID	OJ990709_03.9C01.C15
Gene No.	65794	Strand	-
Start	1	End	676
Name	OJ990709_03.9C01.C15.o1.gs	Method	GENSCAN
Start	65	End	676
GI	none	Score	.78
Exons	65..298, 589..676		

Seq. No.	31785	Seq. ID	OJ990709_03.9C01.C17
Gene No.	65795	Strand	-
Start	26	End	433
Name	OJ990709_03.9C01.C17.o1.gs	Method	GENSCAN
Start	26	End	433
GI	none	Score	.96
Exons	26..276, 325..433		

Seq. No.	31786	Seq. ID	OJ990709_03.9C01.C18
Gene No.	65796	Strand	+
Start	1	End	335
Name	OJ990709_03.9C01.C18.o1.np	Method	AAT/NAP
Start	1	End	335
GI	6498441	Score	517
Exons	1..335		
GI Descrip.	(AP000815) EST C72786(E2258) corresponds to a region of the predicted gene.; Similar to Sorghum bicolor Gypsy-Ty3 type retrotransposon RetroSor1. (AF098806) [Oryza sativa]		

Seq. No.	31786	Seq. ID	OJ990709_03.9C01.C18
Gene No.	65796	Strand	+
Start	1	End	335
Name	OJ990709_03.9C01.C18.o1.gs	Method	GENSCAN
Start	44	End	305
GI	none	Score	.55
Exons	44..305		

Seq. No.	31787	Seq. ID	OJ990709_03.9C01.C19
Gene No.	65797	Strand	-
Start	1	End	1789
Name	OJ990709_03.9C01.C19.o1.np	Method	AAT/NAP
Start	1	End	1789
GI	5803259	Score	2673
Exons	1..1162, 1258..1789		
GI Descrip.	(AP000399) hypothetical protein [Oryza sativa]		

Seq. No.	31787	Seq. ID	OJ990709_03.9C01.C19
Gene No.	65797	Strand	-
Start	1	End	1789
Name	OJ990709_03.9C01.C19.o1.gs	Method	GENSCAN
Start	51	End	1656
GI	none	Score	.64
Exons	51..1162, 1258..1656		

Seq. No.	31788	Seq. ID	OJ990709_03.9C01.C20
Gene No.	65798	Strand	+
Start	1	End	565
Name	OJ990709_03.9C01.C20.o1.np	Method	AAT/NAP
Start	1	End	448
GI	5042454	Score	156
Exons	1..156, 395..448		
GI Descrip.	(AC007789) putative polyprotein [Oryza sativa]		

Seq. No.	31788	Seq. ID	OJ990709_03.9C01.C20
Gene No.	65798	Strand	+
Start	1	End	565
Name	OJ990709_03.9C01.C20.o1.gs	Method	GENSCAN
Start	70	End	565
GI	none	Score	.85
Exons	70..156, 395..565		

Seq. No.	31789	Seq. ID	OJ990709_03.9C01.C21
Gene No.	65799	Strand	+
Start	56	End	204
Name	OJ990709_03.9C01.C21.o1.gs	Method	GENSCAN
Start	56	End	204
GI	none	Score	.89
Exons	56..204		

Seq. No.	31790	Seq. ID	OJ990709_03.9C01.C23
Gene No.	65800	Strand	+
Start	771	End	849
Name	OJ990709_03.9C01.C23.o1.gs	Method	GENSCAN
Start	771	End	849
GI	none	Score	.42
Exons	771..849		

Seq. No.	31791	Seq. ID	OJ990709_03.9C01.C25
Gene No.	65801	Strand	+
Start	347	End	496
Name	OJ990709_03.9C01.C25.o1.gs	Method	GENSCAN
Start	347	End	496
GI	none	Score	.4
Exons	347..496		

Seq. No.	31792	Seq. ID	OJ990709_03.9C01.C26
Gene No.	65802	Strand	-
Start	1	End	95
Name	OJ990709_03.9C01.C26.o1.gp	Method	AAT/GAP
Start	1	End	95
GI	2428323	Score	186
Exons	1..95		

GI Descrip.	5803242/dbj\|AP000399.1\|AP000399 0.0e+00 Oryza sativa genomic DNA, chromosome 6, clone:P0535G04		
Seq. No.	31792	Seq. ID	OJ990709_03.9C01.C26
Gene No.	65803	Strand	-
Start	256	End	733
Name	OJ990709_03.9C01.C26.o1.tm	Method	TBLASTX:Maize
Start	218	End	399
GI	none	Score	124
Exons	218..394, 232..399		
Seq. No.	31792	Seq. ID	OJ990709_03.9C01.C26
Gene No.	65803	Strand	-
Start	256	End	733
Name	OJ990709_03.9C01.C26.o1.gs	Method	GENSCAN
Start	256	End	468
GI	none	Score	.94
Exons	256..468		
Seq. No.	31792	Seq. ID	OJ990709_03.9C01.C26
Gene No.	65803	Strand	-
Start	256	End	733
Name	OJ990709_03.9C01.C26.o1.np	Method	AAT/NAP
Start	259	End	733
GI	6498441	Score	592
Exons	259..540, 634..733		
GI Descrip.	(AP000815) EST C72786(E2258) corresponds to a region of the predicted gene.; Similar to Sorghum bicolor Gypsy-Ty3 type retrotransposon RetroSor1. (AF098806) [Oryza sativa]		
Seq. No.	31792	Seq. ID	OJ990709_03.9C01.C26
Gene No.	65803	Strand	-
Start	256	End	733
Name	OJ990709_03.9C01.C26.o1.tw	Method	TBLASTX:Wheat
Start	268	End	732
GI	none	Score	81
Exons	268..393, 272..394, 424..498, 574..732, 587..712		
Seq. No.	31793	Seq. ID	OJ990709_03.9C01.C27
Gene No.	65804	Strand	-
Start	1	End	813
Name	OJ990709_03.9C01.C27.o1.np	Method	AAT/NAP
Start	1	End	813
GI	5902445	Score	940
Exons	1..813		
GI Descrip.	(AB030283) GAG-POL precursor [Oryza sativa]		
Seq. No.	31793	Seq. ID	OJ990709_03.9C01.C27
Gene No.	65804	Strand	-
Start	1	End	813
Name	OJ990709_03.9C01.C27.o2.tw	Method	TBLASTX:Wheat
Start	5	End	346
GI	none	Score	73
Exons	5..133, 9..107, 115..345, 124..243, 125..346		
Seq. No.	31793	Seq. ID	OJ990709_03.9C01.C27
Gene No.	65804	Strand	-

Start	1	End	813
Name	OJ990709_03.9C01.C27.o2.tm	Method	TBLASTX:Maize
Start	20	End	403
GI	none	Score	195
Exons	20..130, 124..402, 125..403		

Seq. No.	31793	Seq. ID	OJ990709_03.9C01.C27
Gene No.	65804	Strand	-
Start	1	End	813
Name	OJ990709_03.9C01.C27.o1.gs	Method	GENSCAN
Start	76	End	758
GI	none	Score	.6
Exons	76..758		

Seq. No.	31793	Seq. ID	OJ990709_03.9C01.C27
Gene No.	65804	Strand	-
Start	1	End	813
Name	OJ990709_03.9C01.C27.o1.ts	Method	TBLASTX:Soybean
Start	133	End	369
GI	none	Score	92
Exons	133..369, 134..349		

Seq. No.	31793	Seq. ID	OJ990709_03.9C01.C27
Gene No.	65804	Strand	-
Start	1	End	813
Name	OJ990709_03.9C01.C27.o1.tm	Method	TBLASTX:Maize
Start	430	End	786
GI	none	Score	116
Exons	430..735, 430..786, 440..751		

Seq. No.	31793	Seq. ID	OJ990709_03.9C01.C27
Gene No.	65804	Strand	-
Start	1	End	813
Name	OJ990709_03.9C01.C27.o1.tw	Method	TBLASTX:Wheat
Start	454	End	813
GI	none	Score	290
Exons	454..813, 461..808		

Seq. No.	31794	Seq. ID	OJ990709_03.9C01.C28
Gene No.	65805	Strand	+
Start	1	End	1291
Name	OJ990709_03.9C01.C28.o1.gp	Method	AAT/GAP
Start	1	End	1291
GI	2800484	Score	494
Exons	1..213, 1235..1291		
GI Descrip.	5803242/dbj\|AP000399.1\|AP000399 7.0e-10 Oryza sativa genomic DNA, chromosome 6, clone:P0535G04		

Seq. No.	31794	Seq. ID	OJ990709_03.9C01.C28
Gene No.	65805	Strand	+
Start	1	End	1291
Name	OJ990709_03.9C01.C28.o1.gs	Method	GENSCAN
Start	477	End	643
GI	none	Score	.58
Exons	477..643		

Seq. No.	31795	Seq. ID	OJ990709_03.9C01.C29

Gene No.	65806	Strand	+
Start	1	End	1117
Name	OJ990709_03.9C01.C29.o1.np	Method	AAT/NAP
Start	1	End	1117
GI	6721562	Score	1577
Exons	1..463, 526..1117		
GI Descrip.	(AP001073) Similar to Zea mays 22-kDa alpha zein gene cluster; hypothetical protein. (AF031569) [Oryza sativa] gi\|6815087\|dbj\|BAA90373.1\| (AP001081) Similar to Zea mays 22-kDa alpha zein gene cluster; hypothetical protein. (AF031569) [Oryza sativa]		

Seq. No.	31795	Seq. ID	OJ990709_03.9C01.C29
Gene No.	65806	Strand	+
Start	1	End	1117
Name	OJ990709_03.9C01.C29.o1.tw	Method	TBLASTX:Wheat
Start	526	End	918
GI	none	Score	58
Exons	526..573, 583..678, 585..677, 645..884, 661..918		

Seq. No.	31795	Seq. ID	OJ990709_03.9C01.C29
Gene No.	65806	Strand	+
Start	1	End	1117
Name	OJ990709_03.9C01.C29.o1.tm	Method	TBLASTX:Maize
Start	531	End	816
GI	none	Score	185
Exons	531..815, 568..816		

Seq. No.	31796	Seq. ID	OJ990709_03.9C01.C30
Gene No.	65807	Strand	-
Start	429	End	537
Name	OJ990709_03.9C01.C30.o1.gs	Method	GENSCAN
Start	429	End	537
GI	none	Score	.75
Exons	429..537		

Seq. No.	31797	Seq. ID	OJ990709_03.9C01.C31
Gene No.	65808	Strand	+
Start	78	End	213
Name	OJ990709_03.9C01.C31.o1.gs	Method	GENSCAN
Start	78	End	213
GI	none	Score	.86
Exons	78..213		

Seq. No.	31798	Seq. ID	OJ990709_03.9C01.C32
Gene No.	65809	Strand	+
Start	980	End	1601
Name	OJ990709_03.9C01.C32.o1.gs	Method	GENSCAN
Start	980	End	1601
GI	none	Score	.77
Exons	980..1069, 1320..1601		

Seq. No.	31798	Seq. ID	OJ990709_03.9C01.C32
Gene No.	65810	Strand	-
Start	1106	End	1580
Name	OJ990709_03.9C01.C32.o1.np	Method	AAT/NAP
Start	1106	End	1580

GI	5042451	Score	306
Exons	1106..1580		
GI Descrip.	(AC007789) hypothetical protein [Oryza sativa]		

Seq. No.	31799	Seq. ID	OJ990709_03.9C01.C33
Gene No.	65811	Strand	-
Start	600	End	656
Name	OJ990709_03.9C01.C33.o1.gs	Method	GENSCAN
Start	600	End	656
GI	none	Score	.66
Exons	600..656		

Seq. No.	31800	Seq. ID	OJ990709_03.9C01.C36
Gene No.	65812	Strand	-
Start	34	End	1101
Name	OJ990709_03.9C01.C36.o1.gs	Method	GENSCAN
Start	34	End	1101
GI	none	Score	.42
Exons	34..128, 1035..1101		

Seq. No.	31801	Seq. ID	OJ990709_03.9C01.C39
Gene No.	65813	Strand	-
Start	44	End	166
Name	OJ990709_03.9C01.C39.o1.gs	Method	GENSCAN
Start	44	End	166
GI	none	Score	.54
Exons	44..166		

Seq. No.	31802	Seq. ID	OJ990729_02.9C01.C1
Gene No.	65814	Strand	-
Start	167	End	444
Name	OJ990729_02.9C01.C1.o1.gs	Method	GENSCAN
Start	167	End	444
GI	none	Score	.69
Exons	167..444		

Seq. No.	31803	Seq. ID	OJ990729_02.9C01.C3
Gene No.	65815	Strand	-
Start	200	End	322
Name	OJ990729_02.9C01.C3.o1.gs	Method	GENSCAN
Start	200	End	322
GI	none	Score	.51
Exons	200..322		

Seq. No.	31804	Seq. ID	OJ990729_02.9C01.C4
Gene No.	65816	Strand	+
Start	3399	End	4985
Name	OJ990729_02.9C01.C4.o2.gs	Method	GENSCAN
Start	3399	End	4985
GI	none	Score	.86
Exons	3399..3459, 3831..3858, 4391..4514, 4758..4985		

Seq. No.	31804	Seq. ID	OJ990729_02.9C01.C4
Gene No.	65817	Strand	+
Start	10285	End	10556
Name	OJ990729_02.9C01.C4.o4.gs	Method	GENSCAN
Start	10285	End	10556

GI	none	Score	.67
Exons	10285..10436, 10442..10556		

Seq. No.	31804	Seq. ID	OJ990729_02.9C01.C4
Gene No.	65817	Strand	+
Start	10285	End	10556
Name	OJ990729_02.9C01.C4.o2.np	Method	AAT/NAP
Start	10419	End	10553
GI	5922620	Score	166
Exons	10419..10553		
GI Descrip.	(AP000492) EST D15357(C0514) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa] gi\|6016853\|dbj\|BAA85196.1\| (AP000570) EST D15357(C0514) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	31804	Seq. ID	OJ990729_02.9C01.C4
Gene No.	65818	Strand	+
Start	10816	End	18687
Name	OJ990729_02.9C01.C4.o5.gs	Method	GENSCAN
Start	10816	End	18687
GI	none	Score	.43
Exons	10816..11073, 11706..12286, 12306..12739, 12799..13004, 14637..14759, 15106..15200, 15306..15408, 16468..16700, 16733..16880, 17081..17350, 17714..17883, 18402..18687		

Seq. No.	31804	Seq. ID	OJ990729_02.9C01.C4
Gene No.	65818	Strand	+
Start	10816	End	18687
Name	OJ990729_02.9C01.C4.o1.gp	Method	AAT/GAP
Start	14454	End	14881
GI	4878407	Score	653
Exons	14454..14881		
GI Descrip.	6069643/dbj\|AP000616.1\|AP000616 1.0e-152 Oryza sativa genomic DNA, chromosome 6, clone:P0514G12		

Seq. No.	31804	Seq. ID	OJ990729_02.9C01.C4
Gene No.	65819	Strand	+
Start	20043	End	26368
Name	OJ990729_02.9C01.C4.o6.gs	Method	GENSCAN
Start	20043	End	26090
GI	none	Score	.61
Exons	20043..22671, 23047..23197, 23303..23639, 23724..24134, 24228..24526, 24603..24861, 24954..25136, 25202..25239, 25330..25461, 25525..25572, 25577..25779, 25930..26090		

Seq. No.	31804	Seq. ID	OJ990729_02.9C01.C4
Gene No.	65819	Strand	+
Start	20043	End	26368
Name	OJ990729_02.9C01.C4.o5.np	Method	AAT/NAP
Start	20496	End	25811
GI	5441880	Score	4705
Exons	20496..21501, 21946..21977, 22236..22551, 23047..23197, 23303..23639, 24228..24526, 24603..24861, 25106..25179, 25216..25239, 25330..25461, 25577..25811		
GI Descrip.	(AP000367) EST C28952(C62945) corresponds to a region of the predicted gene.; Similar to maize transposon MuDR mudrA protein.		

(AC003981) [Oryza sativa]

Seq. No.	31804	Seq. ID	OJ990729_02.9C01.C4
Gene No.	65819	Strand	+
Start	20043	End	26368
Name	OJ990729_02.9C01.C4.o4.gp	Method	AAT/GAP
Start	21100	End	21531
GI	5701669	Score	841
Exons	21100..21531		
GI Descrip.	5441880/dbj\|BAA82378.1\| 5.0e-75 (AP000367) EST C28952(C62945) corresponds to a region of the predicted gene.; Similar to maize transposon MuDR mudrA protein. (AC003981) [Oryza sativa]		

Seq. No.	31804	Seq. ID	OJ990729_02.9C01.C4
Gene No.	65819	Strand	+
Start	20043	End	26368
Name	OJ990729_02.9C01.C4.o5.gp	Method	AAT/GAP
Start	24354	End	24853
GI	LIB3475-007-P1-K1-G8	Score	797
Exons	24354..24526, 24603..24853		
GI Descrip.	'5441880/dbj\|BAA82378.1\| 5.0e-75 (AP000367) EST C28952(C62945) corresponds to a region of the predicted gene.; Similar to maize transposon MuDR mudrA protein. (AC003981) [Oryza sativa]'		

Seq. No.	31804	Seq. ID	OJ990729_02.9C01.C4
Gene No.	65819	Strand	+
Start	20043	End	26368
Name	OJ990729_02.9C01.C4.o6.gp	Method	AAT/GAP
Start	25915	End	26368
GI	LIB3431-045-P1-N1-A10	Score	872
Exons	25915..26368		
GI Descrip.	'5441876/dbj\|AP000367.1\|AP000367 0.0e+00 Oryza sativa genomic DNA, chromosome 2, clone:P0437H03 (contig b)'		

Seq. No.	31804	Seq. ID	OJ990729_02.9C01.C4
Gene No.	65820	Strand	-
Start	469	End	1900
Name	OJ990729_02.9C01.C4.o1.gs	Method	GENSCAN
Start	469	End	1900
GI	none	Score	.81
Exons	469..648, 712..828, 958..1900		

Seq. No.	31804	Seq. ID	OJ990729_02.9C01.C4
Gene No.	65821	Strand	-
Start	2892	End	8018
Name	OJ990729_02.9C01.C4.o1.np	Method	AAT/NAP
Start	2892	End	7988
GI	4008008	Score	1475
Exons	2892..3191, 5062..5209, 5284..5521, 5625..5835, 6230..6352, 6428..6585, 6681..7988		
GI Descrip.	(AF084035) receptor-like protein kinase [Arabidopsis thaliana]		

Seq. No.	31804	Seq. ID	OJ990729_02.9C01.C4
Gene No.	65821	Strand	-
Start	2892	End	8018
Name	OJ990729_02.9C01.C4.o3.gs	Method	GENSCAN
Start	6074	End	8018

GI	none	Score	.43
Exons	6074..6103, 6230..6423, 6710..8018		

Seq. No.	31804	Seq. ID	OJ990729_02.9C01.C4
Gene No.	65822	Strand	-
Start	10691	End	23639
Name	OJ990729_02.9C01.C4.o3.np	Method	AAT/NAP
Start	10691	End	12035
GI	6630699	Score	85
Exons	10691..10773, 11997..12035		
GI Descrip.	(AP000969) hypothetical protein [Oryza sativa] gi\|6721536\|dbj\|BAA89566.1\| (AP001073) hypothetical protein [Oryza sativa]		

Seq. No.	31804	Seq. ID	OJ990729_02.9C01.C4
Gene No.	65822	Strand	-
Start	10691	End	23639
Name	OJ990729_02.9C01.C4.o4.np	Method	AAT/NAP
Start	11584	End	23639
GI	4680184	Score	1253
Exons	11584..11720, 11749..13030, 23564..23639		
GI Descrip.	(AF111709) unknown [Oryza sativa subsp. indica]		

Seq. No.	31804	Seq. ID	OJ990729_02.9C01.C4
Gene No.	65822	Strand	-
Start	10691	End	23639
Name	OJ990729_02.9C01.C4.o3.gp	Method	AAT/GAP
Start	19439	End	19604
GI	7406_1.R1084	Score	225
Exons	19439..19604		
GI Descrip.	'1122315/emb\|CAA63901\| 7.0e-10 (X94191) heat shock protein 17.0 [Pennisetum glaucum]'		

Seq. No.	31804	Seq. ID	OJ990729_02.9C01.C4
Gene No.	65823	Strand	-
Start	26602	End	26729
Name	OJ990729_02.9C01.C4.o2.tw	Method	TBLASTX:Wheat
Start	187	End	5838
GI	none	Score	98
Exons	187..321, 189..377, 3656..3748, 3656..3745, 3658..3822, 3658..3780, 3868..3963, 3881..4102, 3882..4043, 5407..5511, 5409..5528, 5596..5838, 5633..5809		

Seq. No.	31804	Seq. ID	OJ990729_02.9C01.C4
Gene No.	65823	Strand	-
Start	26602	End	26729
Name	OJ990729_02.9C01.C4.o1.tc	Method	TBLASTX:Cress
Start	187	End	6310
GI	none	Score	89
Exons	187..318, 189..383, 455..538, 2979..3182, 2980..3120, 3326..3415, 3327..3416, 3535..3780, 3536..3751, 3878..4045, 3890..4108, 3891..4049, 4761..4910, 4769..4981, 5101..5205, 5102..5206, 5142..5210, 5280..5498, 5286..5528, 5287..5529, 5626..5844, 5638..5781, 5696..5812, 6230..6310, 6231..6302		

Seq. No.	31804	Seq. ID	OJ990729_02.9C01.C4
Gene No.	65823	Strand	-

Start	26602	End	26729
Name	OJ990729_02.9C01.C4.o1.ts	Method	TBLASTX:Soybean
Start	187	End	6311
GI	none	Score	102
Exons	187..318, 189..383, 455..526, 2976..3200, 2980..3126, 3332..3415, 3339..3416, 3351..3416, 3529..3711, 3535..3780, 3536..3772, 3890..4108, 3894..4049, 4769..4990, 4770..4907, 5102..5209, 5116..5208, 5275..5373, 5280..5498, 5286..5528, 5332..5514, 5614..5778, 5614..5844, 5633..5809, 6230..6301, 6231..6311		

Seq. No.	31804	Seq. ID	OJ990729_02.9C01.C4
Gene No.	65823	Strand	-
Start	26602	End	26729
Name	OJ990729_02.9C01.C4.o1.tm	Method	TBLASTX:Maize
Start	189	End	6337
GI	none	Score	78
Exons	189..383, 199..318, 455..559, 2961..3020, 2989..3021, 3016..3096, 3027..3200, 3139..3192, 3327..3416, 3332..3415, 3533..3751, 3535..3780, 3890..4108, 3894..4049, 4815..4907, 4817..4990, 5102..5209, 5116..5208, 5242..5505, 5275..5370, 5286..5504, 5626..5844, 5633..5809, 6230..6337, 6237..6323		

Seq. No.	31804	Seq. ID	OJ990729_02.9C01.C4
Gene No.	65823	Strand	-
Start	26602	End	26729
Name	OJ990729_02.9C01.C4.o4.tm	Method	TBLASTX:Maize
Start	998	End	6878
GI	none	Score	58
Exons	998..1057, 999..1049, 999..1061, 1046..1111, 1088..1228, 1089..1229, 6804..6878		

Seq. No.	31804	Seq. ID	OJ990729_02.9C01.C4
Gene No.	65823	Strand	-
Start	26602	End	26729
Name	OJ990729_02.9C01.C4.o3.ts	Method	TBLASTX:Soybean
Start	1010	End	7055
GI	none	Score	89
Exons	1010..1075, 1097..1144, 6762..6809, 6798..6950, 6799..6948, 6966..7055, 6973..7047		

Seq. No.	31804	Seq. ID	OJ990729_02.9C01.C4
Gene No.	65823	Strand	-
Start	26602	End	26729
Name	OJ990729_02.9C01.C4.o2.tc	Method	TBLASTX:Cress
Start	1274	End	7568
GI	none	Score	56
Exons	1274..1300, 1304..1363, 1379..1468, 1613..1723, 1761..1859, 1769..1852, 1925..2125, 1968..2105, 6825..6866, 6984..7061, 7059..7226, 7323..7388, 7443..7481, 7515..7568		

Seq. No.	31804	Seq. ID	OJ990729_02.9C01.C4
Gene No.	65823	Strand	-
Start	26602	End	26729
Name	OJ990729_02.9C01.C4.o2.tm	Method	TBLASTX:Maize
Start	1607	End	7781
GI	none	Score	49

Exons	1607..1657, 1610..1654, 1664..1879, 1677..1880, 1781..1882, 1853..1975, 1875..1955, 1952..2062, 1976..2047, 1977..2054, 7410..7589, 7632..7781		

Seq. No.	31804	Seq. ID	OJ990729_02.9C01.C4
Gene No.	65823	Strand	-
Start	26602	End	26729
Name	OJ990729_02.9C01.C4.o2.ts	Method	TBLASTX:Soybean
Start	1673	End	7892
GI	none	Score	87
Exons	1673..1807, 1680..1823, 1817..2074, 1986..2069, 2069..2134, 7440..7571, 7590..7673, 7746..7781, 7800..7892		

Seq. No.	31804	Seq. ID	OJ990729_02.9C01.C4
Gene No.	65823	Strand	-
Start	26602	End	26729
Name	OJ990729_02.9C01.C4.o3.tw	Method	TBLASTX:Wheat
Start	3150	End	5406
GI	none	Score	75
Exons	3150..3191, 3290..3415, 3327..3416, 3535..3654, 3535..3654, 3536..3655, 4940..4981, 5101..5205, 5101..5208, 5102..5209, 5286..5405, 5286..5405, 5287..5406		

Seq. No.	31804	Seq. ID	OJ990729_02.9C01.C4
Gene No.	65823	Strand	-
Start	26602	End	26729
Name	OJ990729_02.9C01.C4.o3.tm	Method	TBLASTX:Maize
Start	21057	End	21653
GI	none	Score	93
Exons	21057..21185, 21065..21163, 21219..21518, 21236..21457, 21582..21653		

Seq. No.	31804	Seq. ID	OJ990729_02.9C01.C4
Gene No.	65823	Strand	-
Start	26602	End	26729
Name	OJ990729_02.9C01.C4.o1.tw	Method	TBLASTX:Wheat
Start	21351	End	21731
GI	none	Score	208
Exons	21351..21545, 21360..21557, 21551..21670, 21555..21731, 21555..21701		

Seq. No.	31804	Seq. ID	OJ990729_02.9C01.C4
Gene No.	65823	Strand	-
Start	26602	End	26729
Name	OJ990729_02.9C01.C4.o6.np	Method	AAT/NAP
Start	26602	End	26729
GI	6721543	Score	104
Exons	26602..26729		
GI Descrip.	(AP001073) hypothetical protein [Oryza sativa]		

Seq. No.	31805	Seq. ID	OJ990729_02.9C01.C5
Gene No.	65824	Strand	-
Start	201	End	5293
Name	OJ990729_02.9C01.C5.o1.gs	Method	GENSCAN
Start	201	End	5293
GI	none	Score	.5
Exons	201..488, 593..746, 1845..1992, 2078..2228, 3182..3391,		

3493..3597, 3961..5293

Seq. No.	31805	Seq. ID	OJ990729_02.9C01.C5
Gene No.	65824	Strand	-
Start	201	End	5293
Name	OJ990729_02.9C01.C5.o1.tm	Method	TBLASTX:Maize
Start	1446	End	2016
GI	none	Score	207
Exons	1446..1700, 1451..1759, 1461..1772, 1478..1774, 1537..1773, 1845..1874, 1869..2000, 1869..1991, 1879..2016, 1880..1993		

Seq. No.	31805	Seq. ID	OJ990729_02.9C01.C5
Gene No.	65824	Strand	-
Start	201	End	5293
Name	OJ990729_02.9C01.C5.o1.np	Method	AAT/NAP
Start	1460	End	5233
GI	4008008	Score	1527
Exons	1460..1759, 1845..1992, 2078..2315, 2563..2773, 3213..3342, 3453..3586, 3932..5233		
GI Descrip.	(AF084035) receptor-like protein kinase [Arabidopsis thaliana]		

Seq. No.	31805	Seq. ID	OJ990729_02.9C01.C5
Gene No.	65824	Strand	-
Start	201	End	5293
Name	OJ990729_02.9C01.C5.o1.tc	Method	TBLASTX:Cress
Start	1512	End	3293
GI	none	Score	69
Exons	1512..1688, 1547..1750, 1866..1988, 1867..1989, 1885..1989, 2080..2325, 2081..2317, 2564..2773, 2565..2723, 3213..3293, 3214..3285		

Seq. No.	31805	Seq. ID	OJ990729_02.9C01.C5
Gene No.	65824	Strand	-
Start	201	End	5293
Name	OJ990729_02.9C01.C5.o1.ts	Method	TBLASTX:Soybean
Start	1538	End	2773
GI	none	Score	151
Exons	1538..1759, 1548..1763, 1568..1771, 1885..1992, 1890..1991, 2078..2290, 2080..2322, 2081..2323, 2140..2340, 2561..2587, 2581..2715, 2591..2773, 2592..2714		

Seq. No.	31805	Seq. ID	OJ990729_02.9C01.C5
Gene No.	65824	Strand	-
Start	201	End	5293
Name	OJ990729_02.9C01.C5.o1.tw	Method	TBLASTX:Wheat
Start	1718	End	2253
GI	none	Score	110
Exons	1718..1759, 1884..1991, 1885..1992, 2080..2247, 2080..2253, 2081..2251		

Seq. No.	31805	Seq. ID	OJ990729_02.9C01.C5
Gene No.	65824	Strand	-
Start	201	End	5293
Name	OJ990729_02.9C01.C5.o2.tm	Method	TBLASTX:Maize
Start	2078	End	2289
GI	none	Score	198
Exons	2078..2287, 2080..2289		

Seq. No.	31805	Seq. ID	OJ990729_02.9C01.C5
Gene No.	65824	Strand	-
Start	201	End	5293
Name	OJ990729_02.9C01.C5.o2.tw	Method	TBLASTX:Wheat
Start	2254	End	2773
GI	none	Score	142
Exons	2254..2325, 2563..2703, 2564..2773, 2571..2717		

Seq. No.	31805	Seq. ID	OJ990729_02.9C01.C5
Gene No.	65824	Strand	-
Start	201	End	5293
Name	OJ990729_02.9C01.C5.o3.tm	Method	TBLASTX:Maize
Start	2564	End	2773
GI	none	Score	152
Exons	2564..2773, 2565..2723		

Seq. No.	31805	Seq. ID	OJ990729_02.9C01.C5
Gene No.	65824	Strand	-
Start	201	End	5293
Name	OJ990729_02.9C01.C5.o5.tm	Method	TBLASTX:Maize
Start	3213	End	3389
GI	none	Score	117
Exons	3213..3389, 3220..3381		

Seq. No.	31805	Seq. ID	OJ990729_02.9C01.C5
Gene No.	65824	Strand	-
Start	201	End	5293
Name	OJ990729_02.9C01.C5.o3.ts	Method	TBLASTX:Soybean
Start	4013	End	4318
GI	none	Score	76
Exons	4013..4168, 4055..4213, 4098..4211, 4229..4318		

Seq. No.	31805	Seq. ID	OJ990729_02.9C01.C5
Gene No.	65824	Strand	-
Start	201	End	5293
Name	OJ990729_02.9C01.C5.o4.tm	Method	TBLASTX:Maize
Start	4088	End	4519
GI	none	Score	173
Exons	4088..4129, 4172..4519		

Seq. No.	31805	Seq. ID	OJ990729_02.9C01.C5
Gene No.	65824	Strand	-
Start	201	End	5293
Name	OJ990729_02.9C01.C5.o2.tc	Method	TBLASTX:Cress
Start	4172	End	4634
GI	none	Score	82
Exons	4172..4210, 4220..4324, 4221..4325, 4320..4421, 4322..4492, 4530..4634, 4565..4633		

Seq. No.	31805	Seq. ID	OJ990729_02.9C01.C5
Gene No.	65824	Strand	-
Start	201	End	5293
Name	OJ990729_02.9C01.C5.o1.gp	Method	AAT/GAP
Start	4593	End	5054
GI	3761421	Score	804
Exons	4593..5054		

GI Descrip.	1272349 4.0e-18 (U51740) secreted glycoprotein 3 [Ipomoea trifida]		
Seq. No.	31805	Seq. ID	OJ990729_02.9C01.C5
Gene No.	65824	Strand	-
Start	201	End	5293
Name	OJ990729_02.9C01.C5.o2.ts	Method	TBLASTX:Soybean
Start	4781	End	5227
GI	none	Score	177
Exons	4781..4963, 4988..5227		
Seq. No.	31806	Seq. ID	OJ990729_02.9C01.C6
Gene No.	65825	Strand	+
Start	3489	End	3849
Name	OJ990729_02.9C01.C6.o1.gp	Method	AAT/GAP
Start	3489	End	3849
GI	LIB3431-014-P1-K1-B5	Score	576
Exons	3489..3849		
GI Descrip.	'1272349 4.0e-18 (U51740) secreted glycoprotein 3 [Ipomoea trifida]'		
Seq. No.	31806	Seq. ID	OJ990729_02.9C01.C6
Gene No.	65826	Strand	+
Start	5602	End	6049
Name	OJ990729_02.9C01.C6.o2.gs	Method	GENSCAN
Start	5602	End	6049
GI	none	Score	.96
Exons	5602..5898, 5903..6049		
Seq. No.	31806	Seq. ID	OJ990729_02.9C01.C6
Gene No.	65827	Strand	+
Start	8988	End	15110
Name	OJ990729_02.9C01.C6.o2.np	Method	AAT/NAP
Start	8988	End	13190
GI	2181190	Score	1234
Exons	8988..9018, 10024..11163, 11191..11286, 11548..11708, 11750..11931, 12026..12236, 12319..12556, 12641..12737, 12840..13190		
GI Descrip.	(Y12531) serine/threonine kinase [Brassica oleracea]		
Seq. No.	31806	Seq. ID	OJ990729_02.9C01.C6
Gene No.	65827	Strand	+
Start	8988	End	15110
Name	OJ990729_02.9C01.C6.o5.gs	Method	GENSCAN
Start	9824	End	15110
GI	none	Score	.76
Exons	9824..9900, 10067..11286, 11750..11931, 12026..12236, 12319..12556, 12641..12794, 12891..13163, 13929..14003, 14183..14225, 14378..14535, 14937..15110		
Seq. No.	31806	Seq. ID	OJ990729_02.9C01.C6
Gene No.	65827	Strand	+
Start	8988	End	15110
Name	OJ990729_02.9C01.C6.o3.np	Method	AAT/NAP
Start	10208	End	14872
GI	6069646	Score	80
Exons	10208..10237, 11244..11312, 14646..14872		

GI Descrip.	(AP000616) similar to putative reverse transcriptase (AC005315) [Oryza sativa] gi\|6907112\|dbj\|BAA90639.1\| (AP001129) Similar to Arabidopsis thaliana chromosome II BAC F9O13 genomic sequence, putative non-LTR retroelement reverse transcriptase. (AC006248) [Oryza sativa]		

Seq. No.	31806	Seq. ID	OJ990729_02.9C01.C6
Gene No.	65828	Strand	+
Start	19701	End	20167
Name	OJ990729_02.9C01.C6.o2.gp	Method	AAT/GAP
Start	19701	End	20167
GI	none	Score	926
Exons	19701..20167		

Seq. No.	31806	Seq. ID	OJ990729_02.9C01.C6
Gene No.	65829	Strand	+
Start	31142	End	34161
Name	OJ990729_02.9C01.C6.o7.gs	Method	GENSCAN
Start	31142	End	34161
GI	none	Score	.53
Exons	31142..31241, 31338..31732, 31799..31862, 31942..32066, 32134..32319, 32390..32448, 32516..33277, 33400..33545, 33644..34161		

Seq. No.	31806	Seq. ID	OJ990729_02.9C01.C6
Gene No.	65830	Strand	+
Start	43780	End	43957
Name	OJ990729_02.9C01.C6.o5.gp	Method	AAT/GAP
Start	43780	End	43957
GI	15870_2.R1084	Score	286
Exons	43780..43957		
GI Descrip.	'287403/dbj\|D10838\|RICSBE1 8.0e-69 Rice gene for starch branching enzyme'		

Seq. No.	31806	Seq. ID	OJ990729_02.9C01.C6
Gene No.	65831	Strand	+
Start	58108	End	60727
Name	OJ990729_02.9C01.C6.o12.gs	Method	GENSCAN
Start	58108	End	60727
GI	none	Score	.52
Exons	58108..58148, 58997..59219, 59335..59457, 59539..59667, 60679..60727		

Seq. No.	31806	Seq. ID	OJ990729_02.9C01.C6
Gene No.	65831	Strand	+
Start	58108	End	60727
Name	OJ990729_02.9C01.C6.o6.gp	Method	AAT/GAP
Start	58991	End	60466
GI	35475_1.R1084	Score	1125
Exons	58991..59219, 59335..59457, 59539..59667, 60087..60172, 60381..60466		
GI Descrip.	'4454467/gb\|AAD20914\| 7.0e-28 (AC006234) unknown protein [Arabidopsis thaliana]'		

Seq. No.	31806	Seq. ID	OJ990729_02.9C01.C6
Gene No.	65831	Strand	+
Start	58108	End	60727

Name	OJ990729_02.9C01.C6.o6.np	Method	AAT/NAP
Start	59022	End	60504
GI	4455371	Score	463
Exons	59022..59219, 59335..59457, 59539..59667, 60087..60172, 60381..60504		
GI Descrip.	(AL035524) putative protein [Arabidopsis thaliana]		

Seq. No.	31806	Seq. ID	OJ990729_02.9C01.C6
Gene No.	65832	Strand	-
Start	280	End	1696
Name	OJ990729_02.9C01.C6.o1.np	Method	AAT/NAP
Start	280	End	1696
GI	3021283	Score	768
Exons	280..600, 765..912, 1002..1239, 1322..1532, 1611..1696		
GI Descrip.	(AL022347) serine/threonine kinase-like protein [Arabidopsis thaliana]		

Seq. No.	31806	Seq. ID	OJ990729_02.9C01.C6
Gene No.	65833	Strand	-
Start	6342	End	6728
Name	OJ990729_02.9C01.C6.o3.gs	Method	GENSCAN
Start	6342	End	6728
GI	none	Score	.95
Exons	6342..6728		

Seq. No.	31806	Seq. ID	OJ990729_02.9C01.C6
Gene No.	65834	Strand	-
Start	15936	End	29299
Name	OJ990729_02.9C01.C6.o6.gs	Method	GENSCAN
Start	15936	End	29299
GI	none	Score	.43
Exons	15936..16238, 16320..16470, 16570..16807, 17224..17391, 17971..19180, 20065..20310, 20572..20704, 20826..21099, 21201..21417, 21541..21701, 22764..24028, 25289..25599, 25681..25813, 25923..26216, 26321..26334, 26387..26482, 26699..26823, 27982..29299		

Seq. No.	31806	Seq. ID	OJ990729_02.9C01.C6
Gene No.	65834	Strand	-
Start	15936	End	29299
Name	OJ990729_02.9C01.C6.o3.gp	Method	AAT/GAP
Start	23769	End	24108
GI	uC-osroM202008d11b1	Score	635
Exons	23769..24108		
GI Descrip.	'5734723/gb\|AAD49988.1\|AC007259_1 2.0e-09 (AC007259) receptor-like protein kinase [Arabidopsis thaliana]'		

Seq. No.	31806	Seq. ID	OJ990729_02.9C01.C6
Gene No.	65835	Strand	-
Start	35013	End	38977
Name	OJ990729_02.9C01.C6.o4.np	Method	AAT/NAP
Start	34782	End	38858
GI	5902445	Score	2120
Exons	34782..35985, 36025..37199, 38814..38858		
GI Descrip.	(AB030283) GAG-POL precursor [Oryza sativa]		

Seq. No.	31806	Seq. ID	OJ990729_02.9C01.C6

Gene No.	65835	Strand	-
Start	35013	End	38977
Name	OJ990729_02.9C01.C6.o8.gs	Method	GENSCAN
Start	35013	End	38977
GI	none	Score	.47
Exons	35013..35343, 35425..35614, 35880..36990, 37070..37992, 38061..38480, 38542..38977		

Seq. No.	31806	Seq. ID	OJ990729_02.9C01.C6
Gene No.	65836	Strand	-
Start	41015	End	43693
Name	OJ990729_02.9C01.C6.o9.gs	Method	GENSCAN
Start	41015	End	43693
GI	none	Score	.57
Exons	41015..41274, 41280..41564, 41896..41947, 42598..42901, 42946..43019, 43691..43693		

Seq. No.	31806	Seq. ID	OJ990729_02.9C01.C6
Gene No.	65837	Strand	-
Start	44415	End	47899
Name	OJ990729_02.9C01.C6.o10.gs	Method	GENSCAN
Start	44415	End	47899
GI	none	Score	.92
Exons	44415..44711, 44801..44933, 45016..45247, 45362..45578, 45736..45860, 46558..47899		

Seq. No.	31806	Seq. ID	OJ990729_02.9C01.C6
Gene No.	65838	Strand	-
Start	48726	End	55441
Name	OJ990729_02.9C01.C6.o1.tc	Method	TBLASTX:Cress
Start	388	End	50820
GI	none	Score	103
Exons	388..612, 778..909, 786..911, 786..908, 787..912, 998..1216, 1002..1202, 1005..1241, 1006..1212, 1016..1246, 1322..1417, 1323..1541, 1324..1533, 1611..1694, 11851..11931, 11865..11936, 12017..12256, 12025..12150, 12095..12250, 12300..12527, 12356..12556, 12393..12548, 12644..12721, 12644..12748, 12645..12764, 12859..13005, 12879..13103, 12962..13054, 16026..16250, 16362..16466, 16363..16467, 16572..16808, 16573..16788, 16922..17134, 16923..17132, 17210..17293, 20101..20220, 20597..20701, 20599..20700, 20849..20959, 20963..21046, 21202..21342, 21370..21423, 25366..25500, 25690..25809, 25709..25804, 25952..26140, 26699..26782, 44493..44621, 44819..44929, 45039..45236, 45363..45530, 45525..45581, 45724..45810, 49598..49762, 49927..50031, 49928..50032, 50260..50472, 50261..50422, 50263..50466, 50264..50506, 50610..50810, 50610..50819, 50623..50820		

Seq. No.	31806	Seq. ID	OJ990729_02.9C01.C6
Gene No.	65838	Strand	-
Start	48726	End	55441
Name	OJ990729_02.9C01.C6.o1.ts	Method	TBLASTX:Soybean
Start	388	End	50820
GI	none	Score	77
Exons	388..612, 458..535, 796..912, 808..909, 810..911, 998..1216, 1002..1091, 1016..1246, 1050..1241, 1308..1544, 1311..1481, 1315..1533, 1611..1682, 11850..11924, 11860..11931,		

12017..12250, 12025..12150, 12309..12527, 12344..12556,
12641..12736, 12641..12760, 12642..12743, 12807..13109,
12888..13091, 12956..13102, 16023..16250, 16027..16251,
16368..16469, 16368..16469, 16375..16470, 16375..16470,
16566..16748, 16570..16656, 16572..16808, 16573..16809,
16910..17080, 16922..17134, 16926..17132, 17209..17247,
17210..17311, 20101..20226, 20576..20701, 20591..20704,
20599..20703, 20849..20959, 20963..21025, 21202..21342,
21373..21423, 21541..21624, 25369..25500, 25555..25626,
25696..25812, 25709..25813, 25952..26140, 25962..26108,
26699..26782, 44493..44621, 44828..44932, 44838..44933,
45039..45236, 45043..45189, 45363..45530, 45736..45858,
49598..49774, 49604..49771, 49885..50067, 49922..50035,
50264..50506, 50601..50819, 50623..50820

Seq. No.	31806	Seq. ID	OJ990729_02.9C01.C6
Gene No.	65838	Strand	-
Start	48726	End	55441
Name	OJ990729_02.9C01.C6.o1.tm	Method	TBLASTX:Maize
Start	418	End	50820
GI	none	Score	116
Exons	418..612, 419..616, 805..912, 816..911, 1002..1196, 1002..1220, 1022..1222, 1323..1541, 1327..1533, 1611..1709, 11827..11931, 11829..11936, 12017..12235, 12025..12147, 12333..12527, 12362..12556, 12427..12528, 12527..12748, 12609..12737, 12641..12748, 12720..13067, 12875..13066, 15996..16067, 16056..16259, 16363..16503, 16368..16469, 16570..16788, 16572..16793, 16922..17134, 16926..17132, 17210..17311, 20140..20226, 20596..20703, 20597..20704, 20846..20956, 20847..20945, 20963..21031, 21202..21375, 21202..21375, 21367..21423, 25402..25500, 25403..25486, 25555..25599, 25693..25812, 25697..25813, 25932..26057, 25952..26143, 25985..26149, 26699..26824, 44526..44621, 44828..44932, 44838..44933, 45046..45147, 45054..45230, 45363..45530, 45727..45819, 49581..49772, 49604..49801, 49885..50073, 49889..50053, 50264..50503, 50267..50422, 50610..50819, 50626..50820		

Seq. No.	31806	Seq. ID	OJ990729_02.9C01.C6
Gene No.	65838	Strand	-
Start	48726	End	55441
Name	OJ990729_02.9C01.C6.o7.tw	Method	TBLASTX:Wheat
Start	804	End	50386
GI	none	Score	118
Exons	804..911, 805..912, 1005..1124, 1016..1123, 12432..12533, 12467..12553, 12641..12748, 12642..12764, 16197..16238, 16293..16466, 16353..16469, 16363..16470, 16571..16690, 16572..16691, 16572..16691, 16573..16692, 20594..20704, 20599..20703, 20852..20959, 25663..25812, 25709..25813, 25958..26047, 44810..44932, 44825..44923, 44838..44933, 45039..45131, 45047..45118, 49885..50061, 49928..50065, 50264..50386, 50265..50345		

Seq. No.	31806	Seq. ID	OJ990729_02.9C01.C6
Gene No.	65838	Strand	-
Start	48726	End	55441
Name	OJ990729_02.9C01.C6.o2.tw	Method	TBLASTX:Wheat

Start	1125	End	50820
GI	none	Score	60
Exons	1125..1232, 1127..1246, 1323..1535, 1327..1533, 12023..12235, 12025..12147, 12300..12431, 16693..16785, 16695..16808, 16917..17132, 16922..17134, 21202..21375, 21211..21375, 21367..21426, 26048..26161, 45132..45224, 45345..45530, 45525..45581, 50387..50506, 50418..50507, 50598..50807, 50610..50819, 50620..50820		

Seq. No.	31806	Seq. ID	OJ990729_02.9C01.C6
Gene No.	65838	Strand	-
Start	48726	End	55441
Name	OJ990729_02.9C01.C6.o6.tm	Method	TBLASTX:Maize
Start	2161	End	46717
GI	none	Score	140
Exons	2161..2388, 2163..2363, 2176..2382, 11031..11180, 11051..11131, 11053..11136, 11189..11236, 18013..18081, 18023..18103, 18024..18080, 18032..18082, 18078..18224, 18078..18203, 18092..18235, 18158..18229, 22885..22947, 28094..28156, 46622..46717		

Seq. No.	31806	Seq. ID	OJ990729_02.9C01.C6
Gene No.	65838	Strand	-
Start	48726	End	55441
Name	OJ990729_02.9C01.C6.o4.tc	Method	TBLASTX:Cress
Start	2341	End	47086
GI	none	Score	63
Exons	2341..2430, 2440..2472, 2488..2529, 10881..10922, 10938..10970, 10980..11024, 18188..18277, 18287..18319, 18332..18376, 22984..23022, 23029..23076, 23083..23127, 23125..23358, 28193..28231, 28247..28345, 28343..28582, 46826..46942, 46919..47086		

Seq. No.	31806	Seq. ID	OJ990729_02.9C01.C6
Gene No.	65838	Strand	-
Start	48726	End	55441
Name	OJ990729_02.9C01.C6.o9.tw	Method	TBLASTX:Wheat
Start	2446	End	47035
GI	none	Score	99
Exons	2446..2472, 2491..2529, 18293..18319, 18338..18376, 23083..23139, 23155..23238, 28109..28180, 28232..28357, 28361..28459, 46619..46657, 46673..46744, 46763..46924, 46937..47035		

Seq. No.	31806	Seq. ID	OJ990729_02.9C01.C6
Gene No.	65838	Strand	-
Start	48726	End	55441
Name	OJ990729_02.9C01.C6.o2.tm	Method	TBLASTX:Maize
Start	2716	End	47671
GI	none	Score	56
Exons	2716..2829, 2737..2811, 2812..3036, 2834..3001, 3019..3138, 3025..3123, 3041..3142, 3106..3216, 3129..3167, 3130..3201, 10182..10253, 10197..10271, 10305..10340, 10343..10594, 10389..10598, 10581..10709, 10583..10696, 18575..18679, 18587..18661, 18671..18910, 18681..18848, 18695..18721, 18704..18910, 18711..18911, 18866..18979, 18911..18973, 18912..18980, 18968..19069, 18983..19054, 18984..19061,		

23500..23628, 23695..23862, 28691..28855, 28722..28856,
28961..29074, 28962..29075, 47318..47446, 47588..47671

Seq. No.	31806	Seq. ID	OJ990729_02.9C01.C6
Gene No.	65838	Strand	-
Start	48726	End	55441
Name	OJ990729_02.9C01.C6.o3.tc	Method	TBLASTX:Cress
Start	2764	End	47755
GI	none	Score	82
Exons	2764..2880, 2929..2970, 3073..3243, 3238..3279, 10155..10253, 10440..10643, 18617..18817, 18790..18843, 18953..19081, 19079..19168, 23383..23628, 23698..23865, 23735..23851, 23866..23886, 28607..28861, 28722..28880, 28958..29077, 28959..29069, 29076..29168, 29078..29167, 47189..47248, 47315..47446, 47573..47656, 47675..47755		

Seq. No.	31806	Seq. ID	OJ990729_02.9C01.C6
Gene No.	65838	Strand	-
Start	48726	End	55441
Name	OJ990729_02.9C01.C6.o2.ts	Method	TBLASTX:Soybean
Start	2914	End	47800
GI	none	Score	80
Exons	2914..2976, 2986..3213, 3226..3309, 10185..10253, 10434..10493, 18767..18823, 18902..18985, 18968..19066, 19079..19237, 23573..23650, 23575..23652, 23725..23865, 23732..23872, 23869..23889, 23918..23980, 23923..24003, 24074..24124, 28794..28910, 28796..28909, 28964..29074, 28971..29084, 29076..29177, 29081..29200, 47393..47494, 47570..47671, 47673..47750, 47678..47749, 47741..47800		

Seq. No.	31806	Seq. ID	OJ990729_02.9C01.C6
Gene No.	65838	Strand	-
Start	48726	End	55441
Name	OJ990729_02.9C01.C6.o8.tm	Method	TBLASTX:Maize
Start	5867	End	6072
GI	none	Score	219
Exons	5867..5950, 5885..6055, 5887..6072		

Seq. No.	31806	Seq. ID	OJ990729_02.9C01.C6
Gene No.	65838	Strand	-
Start	48726	End	55441
Name	OJ990729_02.9C01.C6.o9.tm	Method	TBLASTX:Maize
Start	6296	End	6498
GI	none	Score	72
Exons	6296..6367, 6297..6368, 6298..6372, 6369..6497, 6388..6498		

Seq. No.	31806	Seq. ID	OJ990729_02.9C01.C6
Gene No.	65838	Strand	-
Start	48726	End	55441
Name	OJ990729_02.9C01.C6.o3.tw	Method	TBLASTX:Wheat
Start	34791	End	35399
GI	none	Score	64
Exons	34791..34922, 34792..34917, 34947..35399, 35143..35250, 35296..35385		

Seq. No.	31806	Seq. ID	OJ990729_02.9C01.C6
Gene No.	65838	Strand	-

Start	48726	End	55441
Name	OJ990729_02.9C01.C6.o4.tw	Method	TBLASTX:Wheat
Start	35523	End	35903
GI	none	Score	204
Exons	35523..35903, 35524..35898		

Seq. No.	31806	Seq. ID	OJ990729_02.9C01.C6
Gene No.	65838	Strand	-
Start	48726	End	55441
Name	OJ990729_02.9C01.C6.o3.tm	Method	TBLASTX:Maize
Start	35601	End	35903
GI	none	Score	175
Exons	35601..35903, 35602..35889		

Seq. No.	31806	Seq. ID	OJ990729_02.9C01.C6
Gene No.	65838	Strand	-
Start	48726	End	55441
Name	OJ990729_02.9C01.C6.o10.tw	Method	TBLASTX:Wheat
Start	36070	End	36328
GI	none	Score	78
Exons	36070..36327, 36074..36328		

Seq. No.	31806	Seq. ID	OJ990729_02.9C01.C6
Gene No.	65838	Strand	-
Start	48726	End	55441
Name	OJ990729_02.9C01.C6.o6.tw	Method	TBLASTX:Wheat
Start	36367	End	36775
GI	none	Score	51
Exons	36367..36540, 36370..36522, 36548..36775, 36550..36774		

Seq. No.	31806	Seq. ID	OJ990729_02.9C01.C6
Gene No.	65838	Strand	-
Start	48726	End	55441
Name	OJ990729_02.9C01.C6.o4.tm	Method	TBLASTX:Maize
Start	36772	End	37198
GI	none	Score	140
Exons	36772..36798, 36850..36924, 36943..37197, 36965..37198		

Seq. No.	31806	Seq. ID	OJ990729_02.9C01.C6
Gene No.	65838	Strand	-
Start	48726	End	55441
Name	OJ990729_02.9C01.C6.o5.tw	Method	TBLASTX:Wheat
Start	36844	End	37200
GI	none	Score	179
Exons	36844..37200, 36854..37198		

Seq. No.	31806	Seq. ID	OJ990729_02.9C01.C6
Gene No.	65838	Strand	-
Start	48726	End	55441
Name	OJ990729_02.9C01.C6.o4.ts	Method	TBLASTX:Soybean
Start	36865	End	37200
GI	none	Score	216
Exons	36865..37200		

Seq. No.	31806	Seq. ID	OJ990729_02.9C01.C6
Gene No.	65838	Strand	-
Start	48726	End	55441

Name	OJ990729_02.9C01.C6.o8.tw	Method	TBLASTX:Wheat
Start	37670	End	38068
GI	none	Score	85
Exons	37670..37945, 37671..37898, 37904..38017, 37956..38006, 38021..38068		

Seq. No.	31806	Seq. ID	OJ990729_02.9C01.C6
Gene No.	65838	Strand	-
Start	48726	End	55441
Name	OJ990729_02.9C01.C6.o11.gs	Method	GENSCAN
Start	48726	End	55441
GI	none	Score	.59
Exons	48726..48946, 49645..49771, 49885..50018, 50262..50315, 50609..50819, 50969..51162, 51436..51556, 52379..52532, 52986..53213, 53224..53376, 53532..53818, 54971..55044, 55357..55441		

Seq. No.	31806	Seq. ID	OJ990729_02.9C01.C6
Gene No.	65838	Strand	-
Start	48726	End	55441
Name	OJ990729_02.9C01.C6.o5.np	Method	AAT/NAP
Start	49487	End	53611
GI	3021270	Score	783
Exons	49487..49771, 49885..50035, 50262..50499, 50609..50819, 50969..51048, 53515..53611		
GI Descrip.	(AL022347) serine/threonine kinase-like protein [Arabidopsis thaliana]		

Seq. No.	31806	Seq. ID	OJ990729_02.9C01.C6
Gene No.	65839	Strand	
Start	59145	End	60155
Name	OJ990729_02.9C01.C6.o1.tw	Method	TBLASTX:Wheat
Start	59145	End	59668
GI	none	Score	87
Exons	59145..59231, 59145..59228, 59147..59254, 59330..59458, 59331..59417, 59332..59463, 59538..59666, 59539..59667, 59540..59668		

Seq. No.	31806	Seq. ID	OJ990729_02.9C01.C6
Gene No.	65839	Strand	
Start	59145	End	60155
Name	OJ990729_02.9C01.C6.o2.tc	Method	TBLASTX:Cress
Start	59332	End	59686
GI	none	Score	86
Exons	59332..59412, 59529..59672, 59530..59676, 59606..59686		

Seq. No.	31806	Seq. ID	OJ990729_02.9C01.C6
Gene No.	65839	Strand	
Start	59145	End	60155
Name	OJ990729_02.9C01.C6.o3.ts	Method	TBLASTX:Soybean
Start	59377	End	60143
GI	none	Score	75
Exons	59377..59463, 59538..59666, 59539..59667, 59541..59669, 60087..60143		

Seq. No.	31806	Seq. ID	OJ990729_02.9C01.C6
Gene No.	65839	Strand	

Start	59145	End	60155
Name	OJ990729_02.9C01.C6.o5.tm	Method	TBLASTX:Maize
Start	59387	End	60155
GI	none	Score	87
Exons	59387..59458, 59388..59459, 59389..59463, 59538..59666, 59539..59667, 59541..59669, 60086..60154, 60087..60155		

Seq. No.	31806	Seq. ID	OJ990729_02.9C01.C6
Gene No.	65840	Strand	
Start	60345	End	61059
Name	OJ990729_02.9C01.C6.o7.tm	Method	TBLASTX:Maize
Start	60345	End	61059
GI	none	Score	222
Exons	60345..60506, 60352..60585, 60379..60534, 60677..60727, 60678..60728, 60678..60731, 60679..60729, 60947..61039, 60954..61037, 60955..61059		

Seq. No.	31807	Seq. ID	OJ990729_02.9C01.C7
Gene No.	65841	Strand	+
Start	73	End	192
Name	OJ990729_02.9C01.C7.o1.np	Method	AAT/NAP
Start	73	End	192
GI	6721512	Score	75
Exons	73..192		
GI Descrip.	(AP001072) hypothetical protein [Oryza sativa]		

Seq. No.	31808	Seq. ID	OJ990729_02.9C01.C9
Gene No.	65842	Strand	-
Start	133	End	595
Name	OJ990729_02.9C01.C9.o1.np	Method	AAT/NAP
Start	133	End	595
GI	6539570	Score	107
Exons	133..187, 390..595		
GI Descrip.	(AP000836) hypothetical protein [Oryza sativa]		

Seq. No.	31808	Seq. ID	OJ990729_02.9C01.C9
Gene No.	65842	Strand	-
Start	133	End	595
Name	OJ990729_02.9C01.C9.o1.gs	Method	GENSCAN
Start	324	End	539
GI	none	Score	.85
Exons	324..397, 402..539		

Seq. No.	31809	Seq. ID	OJ990419_06.9C17.C1
Gene No.	65843	Strand	-
Start	25	End	365
Name	OJ990419_06.9C17.C1.o1.gs	Method	GENSCAN
Start	25	End	365
GI	none	Score	.8
Exons	25..205, 232..365		

Seq. No.	31810	Seq. ID	OJ990419_06.9C17.C3
Gene No.	65844	Strand	+
Start	1	End	706
Name	OJ990419_06.9C17.C3.o1.np	Method	AAT/NAP
Start	1	End	706
GI	6069646	Score	246

Exons	1..706		
GI Descrip.	(AP000616) similar to putative reverse transcriptase (AC005315) [Oryza sativa] gi\|6907112\|dbj\|BAA90639.1\| (AP001129) Similar to Arabidopsis thaliana chromosome II BAC F9O13 genomic sequence, putative non-LTR retroelement reverse transcriptase. (AC006248) [Oryza sativa]		

Seq. No.	31810	Seq. ID	OJ990419_06.9C17.C3
Gene No.	65845	Strand	-
Start	1	End	3931
Name	OJ990419_06.9C17.C3.o2.np	Method	AAT/NAP
Start	1	End	3931
GI	6319856	Score	85
Exons	1..19, 1608..1761, 3773..3931		
GI Descrip.	Active transport ATPase; Adp1p gi\|113449\|sp\|P25371\|ADP1_YEAST PROBABLE ATP-DEPENDENT PERMEASE PRECURSOR gi\|83202\|pir\|\|S19421 ATP-dependent permease ADP1 precursor - yeast (Saccharomyces cerevisiae) gi\|1907154\|emb\|CAA42328\| (X59720) YCR011c, len:1049 [Saccharomyces cerevisiae]		

Seq. No.	31810	Seq. ID	OJ990419_06.9C17.C3
Gene No.	65846	Strand	-
Start	7127	End	8262
Name	OJ990419_06.9C17.C3.o4.np	Method	AAT/NAP
Start	7127	End	8262
GI	5042463	Score	187
Exons	7127..7184, 7232..7405, 8083..8262		
GI Descrip.	(AC007789) unknown protein [Oryza sativa]		

Seq. No.	31810	Seq. ID	OJ990419_06.9C17.C3
Gene No.	65847	Strand	-
Start	10111	End	13105
Name	OJ990419_06.9C17.C3.o2.gs	Method	GENSCAN
Start	10111	End	13105
GI	none	Score	.46
Exons	10111..10268, 11718..11879, 11991..12191, 12558..12629, 13060..13105		

Seq. No.	31810	Seq. ID	OJ990419_06.9C17.C3
Gene No.	65848	Strand	-
Start	15469	End	15525
Name	OJ990419_06.9C17.C3.o1.tm	Method	TBLASTX:Maize
Start	220	End	3070
GI	none	Score	292
Exons	220..504, 227..499, 2990..3070		

Seq. No.	31810	Seq. ID	OJ990419_06.9C17.C3
Gene No.	65848	Strand	-
Start	15469	End	15525
Name	OJ990419_06.9C17.C3.o1.tw	Method	TBLASTX:Wheat
Start	233	End	580
GI	none	Score	157
Exons	233..418, 533..580		

Seq. No.	31810	Seq. ID	OJ990419_06.9C17.C3
Gene No.	65848	Strand	-
Start	15469	End	15525

Name	OJ990419_06.9C17.C3.o2.gp	Method	AAT/GAP
Start	15469	End	15525
GI	2800484	Score	75
Exons	15469..15525		
GI Descrip.	5803242/dbj\|AP000399.1\|AP000399 7.0e-10 Oryza sativa genomic DNA, chromosome 6, clone:P0535G04		

Seq. No.	31811	Seq. ID	OJ990419_06.9C17.C4
Gene No.	65849	Strand	-
Start	99	End	1980
Name	OJ990419_06.9C17.C4.o1.gs	Method	GENSCAN
Start	99	End	1980
GI	none	Score	.6
Exons	99..182, 766..909, 1542..1677, 1845..1980		

Seq. No.	31812	Seq. ID	OJ990419_06.9C17.C5
Gene No.	65850	Strand	+
Start	1	End	6784
Name	OJ990419_06.9C17.C5.o1.np	Method	AAT/NAP
Start	1	End	6784
GI	4234852	Score	3268
Exons	1..317, 362..757, 3878..6784		
GI Descrip.	(AF082133) gag-pol polyprotein [Zea mays]		

Seq. No.	31812	Seq. ID	OJ990419_06.9C17.C5
Gene No.	65850	Strand	+
Start	1	End	6784
Name	OJ990419_06.9C17.C5.o1.gs	Method	GENSCAN
Start	126	End	6562
GI	none	Score	.53
Exons	126..297, 974..1110, 1520..1638, 2388..2778, 2871..3167, 3951..4583, 5031..5358, 6042..6562		

Seq. No.	31812	Seq. ID	OJ990419_06.9C17.C5
Gene No.	65851	Strand	+
Start	8067	End	8807
Name	OJ990419_06.9C17.C5.o5.tm	Method	TBLASTX:Maize
Start	2	End	717
GI	none	Score	188
Exons	2..91, 89..235, 90..314, 219..254, 488..580, 652..717		

Seq. No.	31812	Seq. ID	OJ990419_06.9C17.C5
Gene No.	65851	Strand	+
Start	8067	End	8807
Name	OJ990419_06.9C17.C5.o2.ts	Method	TBLASTX:Soybean
Start	4023	End	4421
GI	none	Score	305
Exons	4023..4421		

Seq. No.	31812	Seq. ID	OJ990419_06.9C17.C5
Gene No.	65851	Strand	+
Start	8067	End	8807
Name	OJ990419_06.9C17.C5.o2.tw	Method	TBLASTX:Wheat
Start	4197	End	4859
GI	none	Score	220
Exons	4197..4436, 4337..4435, 4476..4781, 4499..4585, 4605..4724, 4779..4859		

Seq. No.	31812	Seq. ID	OJ990419_06.9C17.C5
Gene No.	65851	Strand	+
Start	8067	End	8807
Name	OJ990419_06.9C17.C5.o3.tm	Method	TBLASTX:Maize
Start	4212	End	4670
GI	none	Score	122
Exons	4212..4436, 4482..4670, 4487..4669		

Seq. No.	31812	Seq. ID	OJ990419_06.9C17.C5
Gene No.	65851	Strand	+
Start	8067	End	8807
Name	OJ990419_06.9C17.C5.o4.ts	Method	TBLASTX:Soybean
Start	4475	End	4862
GI	none	Score	155
Exons	4475..4684, 4476..4685, 4688..4750, 4689..4751, 4791..4862, 4793..4861		

Seq. No.	31812	Seq. ID	OJ990419_06.9C17.C5
Gene No.	65851	Strand	+
Start	8067	End	8807
Name	OJ990419_06.9C17.C5.o4.tw	Method	TBLASTX:Wheat
Start	5178	End	5381
GI	none	Score	175
Exons	5178..5381, 5213..5377		

Seq. No.	31812	Seq. ID	OJ990419_06.9C17.C5
Gene No.	65851	Strand	+
Start	8067	End	8807
Name	OJ990419_06.9C17.C5.o1.ts	Method	TBLASTX:Soybean
Start	5262	End	5723
GI	5509260	Score	372
Exons	5262..5471, 5265..5723, 5273..5701		
GI Descrip.	-		

Seq. No.	31812	Seq. ID	OJ990419_06.9C17.C5
Gene No.	65851	Strand	+
Start	8067	End	8807
Name	OJ990419_06.9C17.C5.o1.tc	Method	TBLASTX:Cress
Start	5352	End	5612
GI	none	Score	253
Exons	5352..5612, 5354..5611		

Seq. No.	31812	Seq. ID	OJ990419_06.9C17.C5
Gene No.	65851	Strand	+
Start	8067	End	8807
Name	OJ990419_06.9C17.C5.o1.tw	Method	TBLASTX:Wheat
Start	5393	End	6183
GI	none	Score	339
Exons	5393..5482, 5394..5738, 5549..5737, 5797..6183, 5834..6172		

Seq. No.	31812	Seq. ID	OJ990419_06.9C17.C5
Gene No.	65851	Strand	+
Start	8067	End	8807
Name	OJ990419_06.9C17.C5.o2.tm	Method	TBLASTX:Maize
Start	5394	End	5702
GI	none	Score	268

Exons	5394..5702, 5549..5701		
Seq. No.	31812	Seq. ID	OJ990419_06.9C17.C5
Gene No.	65851	Strand	+
Start	8067	End	8807
Name	OJ990419_06.9C17.C5.o1.tm	Method	TBLASTX:Maize
Start	5837	End	6286
GI	none	Score	71
Exons	5837..5995, 5972..6286, 5980..6267		
Seq. No.	31812	Seq. ID	OJ990419_06.9C17.C5
Gene No.	65851	Strand	+
Start	8067	End	8807
Name	OJ990419_06.9C17.C5.o3.ts	Method	TBLASTX:Soybean
Start	6158	End	6730
GI	none	Score	230
Exons	6158..6523, 6217..6240, 6322..6456, 6548..6730		
Seq. No.	31812	Seq. ID	OJ990419_06.9C17.C5
Gene No.	65851	Strand	+
Start	8067	End	8807
Name	OJ990419_06.9C17.C5.o3.tw	Method	TBLASTX:Wheat
Start	6266	End	6733
GI	none	Score	285
Exons	6266..6733, 6361..6564, 6619..6732		
Seq. No.	31812	Seq. ID	OJ990419_06.9C17.C5
Gene No.	65851	Strand	+
Start	8067	End	8807
Name	OJ990419_06.9C17.C5.o4.tm	Method	TBLASTX:Maize
Start	6287	End	6745
GI	none	Score	130
Exons	6287..6502, 6563..6745		
Seq. No.	31812	Seq. ID	OJ990419_06.9C17.C5
Gene No.	65851	Strand	+
Start	8067	End	8807
Name	OJ990419_06.9C17.C5.o2.gs	Method	GENSCAN
Start	8067	End	8807
GI	none	Score	1
Exons	8067..8807		
Seq. No.	31813	Seq. ID	OJ990419_06.9C17.C6
Gene No.	65852	Strand	-
Start	845	End	2520
Name	OJ990419_06.9C17.C6.o1.gs	Method	GENSCAN
Start	845	End	2520
GI	none	Score	.71
Exons	845..961, 1047..1197, 1436..1588, 1667..2520		
Seq. No.	31814	Seq. ID	OJ990419_06.9C17.C7
Gene No.	65853	Strand	-
Start	2284	End	5562
Name	OJ990419_06.9C17.C7.o1.np	Method	AAT/NAP
Start	2284	End	5562
GI	4680203	Score	1990
Exons	2284..3235, 3512..3741, 3901..5562		

GI Descrip. (AF114171) TNP2-like protein [Sorghum bicolor]

Seq. No.	31814	Seq. ID	OJ990419_06.9C17.C7
Gene No.	65854	Strand	-
Start	6561	End	12713
Name	OJ990419_06.9C17.C7.o3.np	Method	AAT/NAP
Start	6561	End	9885
GI	4680199	Score	367
Exons	6561..6580, 7869..8362, 8441..8572, 8959..9535, 9585..9885		
GI Descrip.	(AF114171) hypothetical protein [Sorghum bicolor]		

Seq. No.	31814	Seq. ID	OJ990419_06.9C17.C7
Gene No.	65854	Strand	-
Start	6561	End	12713
Name	OJ990419_06.9C17.C7.o2.np	Method	AAT/NAP
Start	7878	End	11005
GI	4680199	Score	363
Exons	7878..8362, 8441..8572, 8959..9535, 9585..9882, 10953..11005		
GI Descrip.	(AF114171) hypothetical protein [Sorghum bicolor]		

Seq. No.	31814	Seq. ID	OJ990419_06.9C17.C7
Gene No.	65854	Strand	-
Start	6561	End	12713
Name	OJ990419_06.9C17.C7.o2.gs	Method	GENSCAN
Start	7948	End	9893
GI	none	Score	.59
Exons	7948..8231, 8370..8491, 8959..9167, 9225..9382, 9743..9893		

Seq. No.	31814	Seq. ID	OJ990419_06.9C17.C7
Gene No.	65854	Strand	-
Start	6561	End	12713
Name	OJ990419_06.9C17.C7.o3.gs	Method	GENSCAN
Start	10705	End	12713
GI	none	Score	.46
Exons	10705..10866, 10915..10954, 11796..11817, 12602..12713		

Seq. No.	31814	Seq. ID	OJ990419_06.9C17.C7
Gene No.	65855	Strand	-
Start	29674	End	30202
Name	OJ990419_06.9C17.C7.o6.tm	Method	TBLASTX:Maize
Start	2193	End	19357
GI	none	Score	68
Exons	2193..2309, 2193..2279, 2208..2291, 2208..2279, 18747..18884, 18753..18869, 18761..18883, 18761..18859, 18766..18876, 18779..18865, 18813..18923, 18813..18914, 18872..18973, 18873..18989, 18874..18972, 18964..19092, 18980..19132, 18983..19114, 18985..19110, 18985..19107, 18986..19102, 18988..19083, 18993..19115, 18995..19132, 18995..19099, 18998..19099, 18999..19103, 18999..19100, 19058..19234, 19121..19228, 19131..19250, 19133..19228, 19135..19272, 19140..19250, 19147..19239, 19158..19235, 19158..19250, 19158..19247, 19158..19250, 19162..19251, 19298..19357		

Seq. No.	31814	Seq. ID	OJ990419_06.9C17.C7
Gene No.	65855	Strand	-
Start	29674	End	30202
Name	OJ990419_06.9C17.C7.o1.tw	Method	TBLASTX:Wheat

Start	2379	End	3628
GI	none	Score	75
Exons	2379..2498, 2499..2603, 2500..2604, 2622..2675, 2675..2719, 2676..2726, 2742..2882, 2743..2868, 2880..3026, 2890..3027, 3035..3079, 3084..3584, 3086..3628		

Seq. No.	31814	Seq. ID	OJ990419_06.9C17.C7
Gene No.	65855	Strand	-
Start	29674	End	30202
Name	OJ990419_06.9C17.C7.o3.ts	Method	TBLASTX:Soybean
Start	2442	End	2690
GI	none	Score	90
Exons	2442..2690, 2506..2688		

Seq. No.	31814	Seq. ID	OJ990419_06.9C17.C7
Gene No.	65855	Strand	-
Start	29674	End	30202
Name	OJ990419_06.9C17.C7.o2.tc	Method	TBLASTX:Cress
Start	2916	End	3341
GI	none	Score	45
Exons	2916..3026, 2920..3027, 3035..3079, 3084..3341, 3086..3337		

Seq. No.	31814	Seq. ID	OJ990419_06.9C17.C7
Gene No.	65855	Strand	-
Start	29674	End	30202
Name	OJ990419_06.9C17.C7.o3.tm	Method	TBLASTX:Maize
Start	3272	End	3587
GI	none	Score	162
Exons	3272..3586, 3291..3587		

Seq. No.	31814	Seq. ID	OJ990419_06.9C17.C7
Gene No.	65855	Strand	-
Start	29674	End	30202
Name	OJ990419_06.9C17.C7.o6.ts	Method	TBLASTX:Soybean
Start	3284	End	3667
GI	none	Score	64
Exons	3284..3529, 3285..3410, 3539..3667		

Seq. No.	31814	Seq. ID	OJ990419_06.9C17.C7
Gene No.	65855	Strand	-
Start	29674	End	30202
Name	OJ990419_06.9C17.C7.o5.tm	Method	TBLASTX:Maize
Start	3764	End	3976
GI	none	Score	80
Exons	3764..3955, 3765..3953, 3779..3976		

Seq. No.	31814	Seq. ID	OJ990419_06.9C17.C7
Gene No.	65855	Strand	-
Start	29674	End	30202
Name	OJ990419_06.9C17.C7.o5.ts	Method	TBLASTX:Soybean
Start	4070	End	4304
GI	none	Score	73
Exons	4070..4303, 4079..4279, 4143..4304		

Seq. No.	31814	Seq. ID	OJ990419_06.9C17.C7
Gene No.	65855	Strand	-
Start	29674	End	30202

Name	OJ990419_06.9C17.C7.o2.tm	Method	TBLASTX:Maize
Start	4139	End	4588
GI	none	Score	94
Exons	4139..4333, 4155..4358, 4340..4582, 4356..4583, 4457..4588		

Seq. No.	31814	Seq. ID	OJ990419_06.9C17.C7
Gene No.	65855	Strand	-
Start	29674	End	30202
Name	OJ990419_06.9C17.C7.o4.tw	Method	TBLASTX:Wheat
Start	4179	End	4522
GI	none	Score	73
Exons	4179..4427, 4184..4333, 4377..4472, 4379..4474, 4481..4522		

Seq. No.	31814	Seq. ID	OJ990419_06.9C17.C7
Gene No.	65855	Strand	-
Start	29674	End	30202
Name	OJ990419_06.9C17.C7.o1.tc	Method	TBLASTX:Cress
Start	4427	End	4774
GI	none	Score	98
Exons	4427..4774, 4428..4580, 4620..4769		

Seq. No.	31814	Seq. ID	OJ990419_06.9C17.C7
Gene No.	65855	Strand	-
Start	29674	End	30202
Name	OJ990419_06.9C17.C7.o4.ts	Method	TBLASTX:Soybean
Start	4508	End	4775
GI	none	Score	116
Exons	4508..4771, 4509..4775		

Seq. No.	31814	Seq. ID	OJ990419_06.9C17.C7
Gene No.	65855	Strand	-
Start	29674	End	30202
Name	OJ990419_06.9C17.C7.o3.tw	Method	TBLASTX:Wheat
Start	4523	End	5203
GI	none	Score	86
Exons	4523..4648, 4655..4774, 4668..4778, 4787..5203, 4914..5114		

Seq. No.	31814	Seq. ID	OJ990419_06.9C17.C7
Gene No.	65855	Strand	-
Start	29674	End	30202
Name	OJ990419_06.9C17.C7.o2.ts	Method	TBLASTX:Soybean
Start	4794	End	5131
GI	none	Score	199
Exons	4794..5078, 4796..5077, 4846..5118, 5076..5126, 5084..5131		

Seq. No.	31814	Seq. ID	OJ990419_06.9C17.C7
Gene No.	65855	Strand	-
Start	29674	End	30202
Name	OJ990419_06.9C17.C7.o5.tw	Method	TBLASTX:Wheat
Start	7870	End	8095
GI	none	Score	149
Exons	7870..8094, 7871..8095		

Seq. No.	31814	Seq. ID	OJ990419_06.9C17.C7
Gene No.	65855	Strand	-
Start	29674	End	30202
Name	OJ990419_06.9C17.C7.o4.tm	Method	TBLASTX:Maize

Start	7882	End	8490
GI	none	Score	38
Exons	7882..8106, 8134..8364, 8413..8490		

Seq. No.	31814	Seq. ID	OJ990419_06.9C17.C7
Gene No.	65855	Strand	-
Start	29674	End	30202
Name	OJ990419_06.9C17.C7.o7.tm	Method	TBLASTX:Maize
Start	9393	End	9887
GI	none	Score	79
Exons	9393..9497, 9669..9887, 9742..9876		

Seq. No.	31814	Seq. ID	OJ990419_06.9C17.C7
Gene No.	65855	Strand	-
Start	29674	End	30202
Name	OJ990419_06.9C17.C7.o1.tm	Method	TBLASTX:Maize
Start	29496	End	30202
GI	none	Score	53
Exons	29496..29558, 29671..30099, 29672..30202, 30035..30130, 30151..30201		

Seq. No.	31814	Seq. ID	OJ990419_06.9C17.C7
Gene No.	65855	Strand	-
Start	29674	End	30202
Name	OJ990419_06.9C17.C7.o7.gs	Method	GENSCAN
Start	29674	End	30131
GI	none	Score	.58
Exons	29674..30131		

Seq. No.	31814	Seq. ID	OJ990419_06.9C17.C7
Gene No.	65855	Strand	-
Start	29674	End	30202
Name	OJ990419_06.9C17.C7.o4.np	Method	AAT/NAP
Start	29677	End	30202
GI	3668115	Score	733
Exons	29677..30202		
GI Descrip.	(Y15069) cinnamoyl-CoA reductase [Zea mays]		

Seq. No.	31814	Seq. ID	OJ990419_06.9C17.C7
Gene No.	65855	Strand	-
Start	29674	End	30202
Name	OJ990419_06.9C17.C7.o1.ts	Method	TBLASTX:Soybean
Start	29695	End	30201
GI	none	Score	271
Exons	29695..30099, 29696..30196, 30151..30201		

Seq. No.	31814	Seq. ID	OJ990419_06.9C17.C7
Gene No.	65855	Strand	-
Start	29674	End	30202
Name	OJ990419_06.9C17.C7.o3.tc	Method	TBLASTX:Cress
Start	29710	End	29899
GI	none	Score	66
Exons	29710..29898, 29722..29883, 29729..29899		

Seq. No.	31814	Seq. ID	OJ990419_06.9C17.C7
Gene No.	65855	Strand	-
Start	29674	End	30202

Name	OJ990419_06.9C17.C7.o2.tw	Method	TBLASTX:Wheat
Start	29725	End	30085
GI	none	Score	207
Exons	29725..29931, 29729..29932, 29926..30084, 29927..30085		

Seq. No.	31815	Seq. ID	OJ990419_06.9C17.C8
Gene No.	65856	Strand	+
Start	10040	End	11677
Name	OJ990419_06.9C17.C8.o2.gs	Method	GENSCAN
Start	10040	End	11677
GI	none	Score	.41
Exons	10040..10045, 10962..11099, 11627..11677		

Seq. No.	31815	Seq. ID	OJ990419_06.9C17.C8
Gene No.	65857	Strand	+
Start	15569	End	22331
Name	OJ990419_06.9C17.C8.o4.gs	Method	GENSCAN
Start	15569	End	22331
GI	none	Score	.55
Exons	15569..15655, 15967..16101, 16158..18539, 18603..19649, 19719..22331		

Seq. No.	31815	Seq. ID	OJ990419_06.9C17.C8
Gene No.	65857	Strand	+
Start	15569	End	22331
Name	OJ990419_06.9C17.C8.o2.np	Method	AAT/NAP
Start	16681	End	22328
GI	6498441	Score	6897
Exons	16681..17745, 18076..18539, 18603..18976, 19160..19294, 19469..19809, 20002..20384, 20556..21953, 22047..22328		
GI Descrip.	(AP000815) EST C72786(E2258) corresponds to a region of the predicted gene.; Similar to Sorghum bicolor Gypsy-Ty3 type retrotransposon RetroSor1. (AF098806) [Oryza sativa]		

Seq. No.	31815	Seq. ID	OJ990419_06.9C17.C8
Gene No.	65858	Strand	-
Start	1	End	4818
Name	OJ990419_06.9C17.C8.o1.np	Method	AAT/NAP
Start	1	End	1967
GI	3668115	Score	635
Exons	1..25, 1237..1422, 1530..1684, 1805..1967		
GI Descrip.	(Y15069) cinnamoyl-CoA reductase [Zea mays]		

Seq. No.	31815	Seq. ID	OJ990419_06.9C17.C8
Gene No.	65858	Strand	-
Start	1	End	4818
Name	OJ990419_06.9C17.C8.o1.gs	Method	GENSCAN
Start	586	End	4818
GI	none	Score	.49
Exons	586..675, 1237..1422, 1530..1684, 1805..2003, 3462..3524, 3883..3928, 4721..4818		

Seq. No.	31815	Seq. ID	OJ990419_06.9C17.C8
Gene No.	65859	Strand	-
Start	22958	End	23409
Name	OJ990419_06.9C17.C8.o1.tc	Method	TBLASTX:Cress
Start	1234	End	1911

GI	none	Score	120
Exons	1234..1422, 1241..1408, 1528..1578, 1530..1682, 1785..1910, 1807..1911		

Seq. No.	31815	Seq. ID	OJ990419_06.9C17.C8
Gene No.	65859	Strand	-
Start	22958	End	23409
Name	OJ990419_06.9C17.C8.o1.tm	Method	TBLASTX:Maize
Start	1237	End	1920
GI	none	Score	153
Exons	1237..1422, 1241..1408, 1246..1422, 1528..1584, 1530..1685, 1666..1686, 1806..1913, 1806..1919, 1807..1920		

Seq. No.	31815	Seq. ID	OJ990419_06.9C17.C8
Gene No.	65859	Strand	-
Start	22958	End	23409
Name	OJ990419_06.9C17.C8.o1.ts	Method	TBLASTX:Soybean
Start	1237	End	1902
GI	none	Score	113
Exons	1237..1428, 1542..1676, 1785..1901, 1807..1902		

Seq. No.	31815	Seq. ID	OJ990419_06.9C17.C8
Gene No.	65859	Strand	-
Start	22958	End	23409
Name	OJ990419_06.9C17.C8.o8.tw	Method	TBLASTX:Wheat
Start	1530	End	1911
GI	none	Score	62
Exons	1530..1718, 1531..1578, 1791..1898, 1807..1863, 1809..1910, 1810..1911		

Seq. No.	31815	Seq. ID	OJ990419_06.9C17.C8
Gene No.	65859	Strand	-
Start	22958	End	23409
Name	OJ990419_06.9C17.C8.o6.tw	Method	TBLASTX:Wheat
Start	16830	End	17222
GI	none	Score	58
Exons	16830..16877, 16884..16982, 16889..16981, 16949..17188, 16965..17222		

Seq. No.	31815	Seq. ID	OJ990419_06.9C17.C8
Gene No.	65859	Strand	-
Start	22958	End	23409
Name	OJ990419_06.9C17.C8.o5.tm	Method	TBLASTX:Maize
Start	16835	End	17120
GI	none	Score	193
Exons	16835..17119, 16872..17120		

Seq. No.	31815	Seq. ID	OJ990419_06.9C17.C8
Gene No.	65859	Strand	-
Start	22958	End	23409
Name	OJ990419_06.9C17.C8.o5.tw	Method	TBLASTX:Wheat
Start	17230	End	20690
GI	none	Score	236
Exons	17230..17283, 20256..20507, 20256..20453, 20321..20497, 20541..20690, 20552..20689		

Seq. No.	31815	Seq. ID	OJ990419_06.9C17.C8

Gene No.	65859	Strand	-
Start	22958	End	23409
Name	OJ990419_06.9C17.C8.o3.tw	Method	TBLASTX:Wheat
Start	17960	End	18419
GI	none	Score	404
Exons	17960..18097, 17961..18419, 18155..18415		

Seq. No.	31815	Seq. ID	OJ990419_06.9C17.C8
Gene No.	65859	Strand	-
Start	22958	End	23409
Name	OJ990419_06.9C17.C8.o1.tw	Method	TBLASTX:Wheat
Start	18611	End	19073
GI	none	Score	583
Exons	18611..19066, 18612..19073, 18612..19067		

Seq. No.	31815	Seq. ID	OJ990419_06.9C17.C8
Gene No.	65859	Strand	-
Start	22958	End	23409
Name	OJ990419_06.9C17.C8.o4.ts	Method	TBLASTX:Soybean
Start	18651	End	19016
GI	none	Score	117
Exons	18651..18875, 18882..19016		

Seq. No.	31815	Seq. ID	OJ990419_06.9C17.C8
Gene No.	65859	Strand	-
Start	22958	End	23409
Name	OJ990419_06.9C17.C8.o2.tm	Method	TBLASTX:Maize
Start	18741	End	19097
GI	none	Score	390
Exons	18741..19097, 18776..19087, 18792..19097		

Seq. No.	31815	Seq. ID	OJ990419_06.9C17.C8
Gene No.	65859	Strand	-
Start	22958	End	23409
Name	OJ990419_06.9C17.C8.o4.tm	Method	TBLASTX:Maize
Start	19124	End	19508
GI	none	Score	364
Exons	19124..19489, 19125..19508		

Seq. No.	31815	Seq. ID	OJ990419_06.9C17.C8
Gene No.	65859	Strand	-
Start	22958	End	23409
Name	OJ990419_06.9C17.C8.o2.tw	Method	TBLASTX:Wheat
Start	19181	End	19601
GI	none	Score	490
Exons	19181..19594, 19182..19601		

Seq. No.	31815	Seq. ID	OJ990419_06.9C17.C8
Gene No.	65859	Strand	-
Start	22958	End	23409
Name	OJ990419_06.9C17.C8.o2.ts	Method	TBLASTX:Soybean
Start	19260	End	19631
GI	none	Score	282
Exons	19260..19631, 19277..19420		

Seq. No.	31815	Seq. ID	OJ990419_06.9C17.C8
Gene No.	65859	Strand	-

Start	22958	End	23409
Name	OJ990419_06.9C17.C8.o3.ts	Method	TBLASTX:Soybean
Start	20379	End	20945
GI	5666795	Score	68
Exons	20379..20477, 20553..20690, 20745..20945		
GI Descrip.	4206306 2.0e-10 (AF049110) prpol [Zea mays]		

Seq. No.	31815	Seq. ID	OJ990419_06.9C17.C8
Gene No.	65859	Strand	-
Start	22958	End	23409
Name	OJ990419_06.9C17.C8.o9.tw	Method	TBLASTX:Wheat
Start	20693	End	21005
GI	none	Score	190
Exons	20693..20869, 20745..21005		

Seq. No.	31815	Seq. ID	OJ990419_06.9C17.C8
Gene No.	65859	Strand	-
Start	22958	End	23409
Name	OJ990419_06.9C17.C8.o3.tm	Method	TBLASTX:Maize
Start	21198	End	21521
GI	none	Score	365
Exons	21198..21521, 21215..21508		

Seq. No.	31815	Seq. ID	OJ990419_06.9C17.C8
Gene No.	65859	Strand	-
Start	22958	End	23409
Name	OJ990419_06.9C17.C8.o4.tw	Method	TBLASTX:Wheat
Start	21335	End	21689
GI	none	Score	371
Exons	21335..21391, 21336..21689, 21432..21677, 21437..21685		

Seq. No.	31815	Seq. ID	OJ990419_06.9C17.C8
Gene No.	65859	Strand	-
Start	22958	End	23409
Name	OJ990419_06.9C17.C8.o7.tw	Method	TBLASTX:Wheat
Start	21708	End	22316
GI	none	Score	266
Exons	21708..21818, 21717..22007, 21743..21820, 21857..22027, 21857..22000, 22193..22315, 22194..22316		

Seq. No.	31815	Seq. ID	OJ990419_06.9C17.C8
Gene No.	65859	Strand	-
Start	22958	End	23409
Name	OJ990419_06.9C17.C8.o5.gs	Method	GENSCAN
Start	22958	End	23407
GI	none	Score	.94
Exons	22958..23407		

Seq. No.	31815	Seq. ID	OJ990419_06.9C17.C8
Gene No.	65859	Strand	-
Start	22958	End	23409
Name	OJ990419_06.9C17.C8.o3.np	Method	AAT/NAP
Start	22961	End	23409
GI	5803259	Score	733
Exons	22961..23409		
GI Descrip.	(AP000399) hypothetical protein [Oryza sativa]		

Seq. No.	31816	Seq. ID	OJ990419_06.9C17.C9
Gene No.	65860	Strand	-
Start	1	End	1878
Name	OJ990419_06.9C17.C9.o1.np	Method	AAT/NAP
Start	1	End	1878
GI	5803259	Score	2807
Exons	1..522, 618..1878		
GI Descrip.	(AP000399) hypothetical protein [Oryza sativa]		

Seq. No.	31816	Seq. ID	OJ990419_06.9C17.C9
Gene No.	65860	Strand	-
Start	1	End	1878
Name	OJ990419_06.9C17.C9.o1.gs	Method	GENSCAN
Start	98	End	1878
GI	none	Score	.97
Exons	98..522, 618..760, 775..1878		

Seq. No.	31817	Seq. ID	OJ990419_06.9C17.C10
Gene No.	65861	Strand	+
Start	1	End	4497
Name	OJ990419_06.9C17.C10.o1.np	Method	AAT/NAP
Start	1	End	492
GI	5042454	Score	148
Exons	1..202, 442..492		
GI Descrip.	(AC007789) putative polyprotein [Oryza sativa]		

Seq. No.	31817	Seq. ID	OJ990419_06.9C17.C10
Gene No.	65861	Strand	+
Start	1	End	4497
Name	OJ990419_06.9C17.C10.o1.gs	Method	GENSCAN
Start	113	End	3457
GI	none	Score	.6
Exons	113..225, 455..609, 2495..2679, 3242..3457		

Seq. No.	31817	Seq. ID	OJ990419_06.9C17.C10
Gene No.	65861	Strand	+
Start	1	End	4497
Name	OJ990419_06.9C17.C10.o2.np	Method	AAT/NAP
Start	3183	End	4497
GI	6539588	Score	85
Exons	3183..3448, 4458..4497		
GI Descrip.	(AP000837) hypothetical protein [Oryza sativa]		

Seq. No.	31818	Seq. ID	OJ990419_06.9C17.C11
Gene No.	65862	Strand	+
Start	983	End	3086
Name	OJ990419_06.9C17.C11.o1.gs	Method	GENSCAN
Start	983	End	3086
GI	none	Score	.69
Exons	983..1036, 2190..2359, 2942..3086		

Seq. No.	31819	Seq. ID	OJ990419_06.9C17.C12
Gene No.	65863	Strand	+
Start	276	End	330
Name	OJ990419_06.9C17.C12.o1.gs	Method	GENSCAN
Start	276	End	330
GI	none	Score	.47

Exons	276..330		
Seq. No.	31819	Seq. ID	OJ990419_06.9C17.C12
Gene No.	65864	Strand	-
Start	1	End	422
Name	OJ990419_06.9C17.C12.o1.np	Method	AAT/NAP
Start	1	End	422
GI	2274845	Score	108
Exons	1..39, 104..422		
GI Descrip.	(D88461) N-WASP [Rattus rattus]		
Seq. No.	31820	Seq. ID	OJ990419_06.9C17.C13
Gene No.	65865	Strand	+
Start	499	End	544
Name	OJ990419_06.9C17.C13.o1.gs	Method	GENSCAN
Start	499	End	544
GI	none	Score	.87
Exons	499..544		
Seq. No.	31821	Seq. ID	OJ990419_06.9C17.C14
Gene No.	65866	Strand	+
Start	1	End	379
Name	OJ990419_06.9C17.C14.o1.np	Method	AAT/NAP
Start	1	End	379
GI	5803259	Score	515
Exons	1..379		
GI Descrip.	(AP000399) hypothetical protein [Oryza sativa]		
Seq. No.	31821	Seq. ID	OJ990419_06.9C17.C14
Gene No.	65866	Strand	+
Start	1	End	379
Name	OJ990419_06.9C17.C14.o1.gs	Method	GENSCAN
Start	28	End	357
GI	none	Score	.77
Exons	28..36, 70..357		
Seq. No.	31822	Seq. ID	OJ990419_06.9C17.C16
Gene No.	65867	Strand	+
Start	318	End	450
Name	OJ990419_06.9C17.C16.o1.gs	Method	GENSCAN
Start	318	End	450
GI	none	Score	.43
Exons	318..450		
Seq. No.	31823	Seq. ID	OJ990419_06.9C17.C17
Gene No.	65868	Strand	-
Start	81	End	191
Name	OJ990419_06.9C17.C17.o1.gs	Method	GENSCAN
Start	81	End	191
GI	none	Score	.8
Exons	81..191		
Seq. No.	31824	Seq. ID	OJ990419_06.9C17.C20
Gene No.	65869	Strand	+
Start	404	End	531
Name	OJ990419_06.9C17.C20.o1.gs	Method	GENSCAN
Start	404	End	531

GI	none	Score	.59
Exons	404..531		

Seq. No.	31825	Seq. ID	OJ990419_06.9C17.C21
Gene No.	65870	Strand	+
Start	1	End	598
Name	OJ990419_06.9C17.C21.o1.np	Method	AAT/NAP
Start	1	End	598
GI	6498441	Score	651
Exons	1..479, 543..598		
GI Descrip.	(AP000815) EST C72786(E2258) corresponds to a region of the predicted gene.; Similar to Sorghum bicolor Gypsy-Ty3 type retrotransposon RetroSor1. (AF098806) [Oryza sativa]		

Seq. No.	31825	Seq. ID	OJ990419_06.9C17.C21
Gene No.	65870	Strand	+
Start	1	End	598
Name	OJ990419_06.9C17.C21.o1.tw	Method	TBLASTX:Wheat
Start	2	End	211
GI	none	Score	192
Exons	2..211		

Seq. No.	31825	Seq. ID	OJ990419_06.9C17.C21
Gene No.	65870	Strand	+
Start	1	End	598
Name	OJ990419_06.9C17.C21.o2.np	Method	AAT/NAP
Start	270	End	598
GI	5042454	Score	159
Exons	270..485, 543..598		
GI Descrip.	(AC007789) putative polyprotein [Oryza sativa]		

Seq. No.	31825	Seq. ID	OJ990419_06.9C17.C21
Gene No.	65870	Strand	+
Start	1	End	598
Name	OJ990419_06.9C17.C21.o1.gs	Method	GENSCAN
Start	341	End	485
GI	none	Score	.43
Exons	341..485		

Seq. No.	31826	Seq. ID	OJ990419_06.9C17.C26
Gene No.	65871	Strand	-
Start	1	End	947
Name	OJ990419_06.9C17.C26.o1.np	Method	AAT/NAP
Start	1	End	914
GI	6069646	Score	330
Exons	1..914		
GI Descrip.	(AP000616) similar to putative reverse transcriptase (AC005315) [Oryza sativa] gi\|6907112\|dbj\|BAA90639.1\| (AP001129) Similar to Arabidopsis thaliana chromosome II BAC F9O13 genomic sequence, putative non-LTR retroelement reverse transcriptase. (AC006248) [Oryza sativa]		

Seq. No.	31826	Seq. ID	OJ990419_06.9C17.C26
Gene No.	65871	Strand	-
Start	1	End	947
Name	OJ990419_06.9C17.C26.o1.tw	Method	TBLASTX:Wheat
Start	18	End	369

GI	none	Score	56
Exons	18..59, 180..365, 274..369		

Seq. No.	31826	Seq. ID	OJ990419_06.9C17.C26
Gene No.	65871	Strand	-
Start	1	End	947
Name	OJ990419_06.9C17.C26.o1.tm	Method	TBLASTX:Maize
Start	94	End	378
GI	none	Score	107
Exons	94..378, 99..371		

Seq. No.	31826	Seq. ID	OJ990419_06.9C17.C26
Gene No.	65871	Strand	-
Start	1	End	947
Name	OJ990419_06.9C17.C26.o2.tm	Method	TBLASTX:Maize
Start	722	End	947
GI	none	Score	104
Exons	722..946, 723..947		

Seq. No.	31827	Seq. ID	OJ990419_06.9C17.C27
Gene No.	65872	Strand	+
Start	436	End	2055
Name	OJ990419_06.9C17.C27.o1.gs	Method	GENSCAN
Start	436	End	2055
GI	none	Score	.48
Exons	436..682, 739..849, 1227..1288, 1573..1729, 1738..1771, 1881..2055		

Seq. No.	31827	Seq. ID	OJ990419_06.9C17.C27
Gene No.	65873	Strand	+
Start	2179	End	2339
Name	OJ990419_06.9C17.C27.o1.np	Method	AAT/NAP
Start	2179	End	2339
GI	5852172	Score	120
Exons	2179..2339		
GI Descrip.	(AL117265) zhb0002.1 [Oryza sativa]		

Seq. No.	31828	Seq. ID	OJ990419_06.9C17.C28
Gene No.	65874	Strand	+
Start	519	End	1922
Name	OJ990419_06.9C17.C28.o1.tm	Method	TBLASTX:Maize
Start	501	End	1170
GI	none	Score	138
Exons	501..632, 514..681, 702..980, 733..981, 1059..1169, 1078..1170		

Seq. No.	31828	Seq. ID	OJ990419_06.9C17.C28
Gene No.	65874	Strand	+
Start	519	End	1922
Name	OJ990419_06.9C17.C28.o1.tc	Method	TBLASTX:Cress
Start	517	End	1173
GI	none	Score	89
Exons	517..588, 733..981, 792..959, 1063..1173, 1068..1169		

Seq. No.	31828	Seq. ID	OJ990419_06.9C17.C28
Gene No.	65874	Strand	+
Start	519	End	1922
Name	OJ990419_06.9C17.C28.o1.np	Method	AAT/NAP

Start	519	End	1156
GI	6319856	Score	233
Exons	519..981, 1081..1156		
GI Descrip.	Active transport ATPase; Adp1p gi\|113449\|sp\|P25371\|ADP1_YEAST PROBABLE ATP-DEPENDENT PERMEASE PRECURSOR gi\|83202\|pir\|\|S19421 ATP-dependent permease ADP1 precursor - yeast (Saccharomyces cerevisiae) gi\|1907154\|emb\|CAA42328\| (X59720) YCR011c, len:1049 [Saccharomyces cerevisiae]		

Seq. No.	31828	Seq. ID	OJ990419_06.9C17.C28
Gene No.	65874	Strand	+
Start	519	End	1922
Name	OJ990419_06.9C17.C28.o1.ts	Method	TBLASTX:Soybean
Start	520	End	975
GI	none	Score	148
Exons	520..681, 522..635, 702..863, 733..864, 861..974, 865..975		

Seq. No.	31828	Seq. ID	OJ990419_06.9C17.C28
Gene No.	65874	Strand	+
Start	519	End	1922
Name	OJ990419_06.9C17.C28.o2.np	Method	AAT/NAP
Start	520	End	1922
GI	4063751	Score	270
Exons	520..981, 1081..1167, 1883..1922		
GI Descrip.	(AC005851) putative ABC transporter [Arabidopsis thaliana]		

Seq. No.	31828	Seq. ID	OJ990419_06.9C17.C28
Gene No.	65874	Strand	+
Start	519	End	1922
Name	OJ990419_06.9C17.C28.o1.gs	Method	GENSCAN
Start	544	End	1781
GI	none	Score	.86
Exons	544..981, 1081..1167, 1653..1781		

Seq. No.	31829	Seq. ID	OJ990419_06.9C17.C29
Gene No.	65875	Strand	+
Start	1	End	3195
Name	OJ990419_06.9C17.C29.o1.np	Method	AAT/NAP
Start	1	End	3195
GI	4063751	Score	346
Exons	1..265, 1611..2174, 3118..3195		
GI Descrip.	(AC005851) putative ABC transporter [Arabidopsis thaliana]		

Seq. No.	31829	Seq. ID	OJ990419_06.9C17.C29
Gene No.	65875	Strand	+
Start	1	End	3195
Name	OJ990419_06.9C17.C29.o1.gs	Method	GENSCAN
Start	77	End	3115
GI	none	Score	.67
Exons	77..265, 369..455, 1611..2130, 2907..3115		

Seq. No.	31829	Seq. ID	OJ990419_06.9C17.C29
Gene No.	65876	Strand	+
Start	6156	End	7871
Name	OJ990419_06.9C17.C29.o3.gs	Method	GENSCAN
Start	6156	End	7871
GI	none	Score	.51

Exons	6156..6295, 6455..6715, 6988..7472, 7786..7871		
Seq. No.	31829	Seq. ID	OJ990419_06.9C17.C29
Gene No.	65877	Strand	+
Start	8962	End	18871
Name	OJ990419_06.9C17.C29.o4.gs	Method	GENSCAN
Start	8962	End	18871
GI	none	Score	.45
Exons	8962..9352, 9578..9750, 9833..10004, 10109..10192, 10923..10989, 11261..11476, 11932..12118, 12614..12752, 12854..12917, 13195..13673, 14141..14448, 15067..15190, 15335..15388, 17233..17700, 18135..18254, 18609..18871		
Seq. No.	31829	Seq. ID	OJ990419_06.9C17.C29
Gene No.	65877	Strand	+
Start	8962	End	18871
Name	OJ990419_06.9C17.C29.o3.np	Method	AAT/NAP
Start	12851	End	16050
GI	3645899	Score	2102
Exons	12851..14126, 14174..16050		
GI Descrip.	(U68408) 5' end not determined experimentally [Zea mays]		
Seq. No.	31829	Seq. ID	OJ990419_06.9C17.C29
Gene No.	65877	Strand	+
Start	8962	End	18871
Name	OJ990419_06.9C17.C29.o4.np	Method	AAT/NAP
Start	18550	End	18866
GI	6539588	Score	153
Exons	18550..18866		
GI Descrip.	(AP000837) hypothetical protein [Oryza sativa]		
Seq. No.	31829	Seq. ID	OJ990419_06.9C17.C29
Gene No.	65878	Strand	-
Start	4328	End	5589
Name	OJ990419_06.9C17.C29.o2.gs	Method	GENSCAN
Start	4328	End	5589
GI	none	Score	.97
Exons	4328..4438, 4983..5211, 5420..5589		
Seq. No.	31829	Seq. ID	OJ990419_06.9C17.C29
Gene No.	65879	Strand	-
Start	6214	End	6971
Name	OJ990419_06.9C17.C29.o2.np	Method	AAT/NAP
Start	6214	End	6971
GI	4680179	Score	945
Exons	6214..6971		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		
Seq. No.	31829	Seq. ID	OJ990419_06.9C17.C29
Gene No.	65880	Strand	-
Start	20489	End	21262
Name	OJ990419_06.9C17.C29.o2.tc	Method	TBLASTX:Cress
Start	92	End	461
GI	none	Score	171
Exons	92..262, 357..461, 404..457		
Seq. No.	31829	Seq. ID	OJ990419_06.9C17.C29

Gene No.	65880	Strand	-
Start	20489	End	21262
Name	OJ990419_06.9C17.C29.o7.tm	Method	TBLASTX:Maize
Start	95	End	478
GI	none	Score	198
Exons	95..259, 115..246, 146..283, 357..461, 392..478		

Seq. No.	31829	Seq. ID	OJ990419_06.9C17.C29
Gene No.	65880	Strand	-
Start	20489	End	21262
Name	OJ990419_06.9C17.C29.o5.ts	Method	TBLASTX:Soybean
Start	98	End	461
GI	none	Score	163
Exons	98..262, 140..250, 357..461		

Seq. No.	31829	Seq. ID	OJ990419_06.9C17.C29
Gene No.	65880	Strand	-
Start	20489	End	21262
Name	OJ990419_06.9C17.C29.o1.tc	Method	TBLASTX:Cress
Start	1608	End	2237
GI	none	Score	78
Exons	1608..1682, 1619..1723, 1755..2021, 1760..1957, 2085..2237		

Seq. No.	31829	Seq. ID	OJ990419_06.9C17.C29
Gene No.	65880	Strand	-
Start	20489	End	21262
Name	OJ990419_06.9C17.C29.o2.ts	Method	TBLASTX:Soybean
Start	1608	End	2195
GI	none	Score	96
Exons	1608..1682, 1622..2035, 1625..1717, 1740..2057, 2049..2195, 2051..2194, 2052..2195		

Seq. No.	31829	Seq. ID	OJ990419_06.9C17.C29
Gene No.	65880	Strand	-
Start	20489	End	21262
Name	OJ990419_06.9C17.C29.o5.tw	Method	TBLASTX:Wheat
Start	1761	End	2021
GI	none	Score	253
Exons	1761..2021, 1808..1966, 1812..2012		

Seq. No.	31829	Seq. ID	OJ990419_06.9C17.C29
Gene No.	65880	Strand	-
Start	20489	End	21262
Name	OJ990419_06.9C17.C29.o6.tm	Method	TBLASTX:Maize
Start	1805	End	2207
GI	none	Score	210
Exons	1805..2026, 1827..2042, 1881..2030, 2049..2207		

Seq. No.	31829	Seq. ID	OJ990419_06.9C17.C29
Gene No.	65880	Strand	-
Start	20489	End	21262
Name	OJ990419_06.9C17.C29.o2.tw	Method	TBLASTX:Wheat
Start	6336	End	6753
GI	none	Score	90
Exons	6336..6713, 6336..6749, 6451..6753		

Seq. No.	31829	Seq. ID	OJ990419_06.9C17.C29

Gene No.	65880	Strand	-
Start	20489	End	21262
Name	OJ990419_06.9C17.C29.o4.tm	Method	TBLASTX:Maize
Start	6450	End	6971
GI	none	Score	137
Exons	6450..6782, 6454..6711, 6767..6820, 6791..6877, 6840..6971		

Seq. No.	31829	Seq. ID	OJ990419_06.9C17.C29
Gene No.	65880	Strand	-
Start	20489	End	21262
Name	OJ990419_06.9C17.C29.o7.tw	Method	TBLASTX:Wheat
Start	6754	End	6971
GI	none	Score	58
Exons	6754..6846, 6755..6820, 6834..6971, 6840..6971		

Seq. No.	31829	Seq. ID	OJ990419_06.9C17.C29
Gene No.	65880	Strand	-
Start	20489	End	21262
Name	OJ990419_06.9C17.C29.o5.tm	Method	TBLASTX:Maize
Start	6980	End	7552
GI	none	Score	346
Exons	6980..7552		

Seq. No.	31829	Seq. ID	OJ990419_06.9C17.C29
Gene No.	65880	Strand	-
Start	20489	End	21262
Name	OJ990419_06.9C17.C29.o4.tw	Method	TBLASTX:Wheat
Start	7261	End	7655
GI	none	Score	239
Exons	7261..7551, 7262..7552, 7569..7655		

Seq. No.	31829	Seq. ID	OJ990419_06.9C17.C29
Gene No.	65880	Strand	-
Start	20489	End	21262
Name	OJ990419_06.9C17.C29.o9.tm	Method	TBLASTX:Maize
Start	7672	End	7950
GI	none	Score	136
Exons	7672..7839, 7674..7835, 7843..7950		

Seq. No.	31829	Seq. ID	OJ990419_06.9C17.C29
Gene No.	65880	Strand	-
Start	20489	End	21262
Name	OJ990419_06.9C17.C29.o8.tm	Method	TBLASTX:Maize
Start	8065	End	8361
GI	none	Score	232
Exons	8065..8361, 8109..8360		

Seq. No.	31829	Seq. ID	OJ990419_06.9C17.C29
Gene No.	65880	Strand	-
Start	20489	End	21262
Name	OJ990419_06.9C17.C29.o3.tw	Method	TBLASTX:Wheat
Start	13460	End	13965
GI	none	Score	236
Exons	13460..13867, 13891..13965		

Seq. No.	31829	Seq. ID	OJ990419_06.9C17.C29
Gene No.	65880	Strand	-

Start	20489	End	21262
Name	OJ990419_06.9C17.C29.o3.tm	Method	TBLASTX:Maize
Start	13502	End	14085
GI	none	Score	88
Exons	13502..13567, 13507..13569, 13568..13867, 13654..13869, 13888..13971, 13893..13961, 13957..14085		

Seq. No.	31829	Seq. ID	OJ990419_06.9C17.C29
Gene No.	65880	Strand	-
Start	20489	End	21262
Name	OJ990419_06.9C17.C29.o4.ts	Method	TBLASTX:Soybean
Start	13679	End	14084
GI	none	Score	168
Exons	13679..13867, 13693..13857, 13906..13959, 13971..14084, 13981..14076		

Seq. No.	31829	Seq. ID	OJ990419_06.9C17.C29
Gene No.	65880	Strand	-
Start	20489	End	21262
Name	OJ990419_06.9C17.C29.o4.tc	Method	TBLASTX:Cress
Start	13693	End	14073
GI	none	Score	129
Exons	13693..13779, 13694..13867, 13891..13956, 13966..14073, 13968..14072		

Seq. No.	31829	Seq. ID	OJ990419_06.9C17.C29
Gene No.	65880	Strand	-
Start	20489	End	21262
Name	OJ990419_06.9C17.C29.o1.ts	Method	TBLASTX:Soybean
Start	14479	End	15020
GI	5509260	Score	597
Exons	14479..15015, 14491..14709, 14496..15020		
GI Descrip.	-		

Seq. No.	31829	Seq. ID	OJ990419_06.9C17.C29
Gene No.	65880	Strand	-
Start	20489	End	21262
Name	OJ990419_06.9C17.C29.o1.tw	Method	TBLASTX:Wheat
Start	14535	End	15012
GI	none	Score	57
Exons	14535..14642, 14536..14625, 14659..15006, 14667..14996, 14833..15012		

Seq. No.	31829	Seq. ID	OJ990419_06.9C17.C29
Gene No.	65880	Strand	-
Start	20489	End	21262
Name	OJ990419_06.9C17.C29.o3.tc	Method	TBLASTX:Cress
Start	14640	End	14901
GI	none	Score	201
Exons	14640..14900, 14641..14901		

Seq. No.	31829	Seq. ID	OJ990419_06.9C17.C29
Gene No.	65880	Strand	-
Start	20489	End	21262
Name	OJ990419_06.9C17.C29.o2.tm	Method	TBLASTX:Maize
Start	14680	End	15120
GI	none	Score	461

Exons	14680..15120, 14682..15056, 14830..15108		
Seq. No.	31829	Seq. ID	OJ990419_06.9C17.C29
Gene No.	65880	Strand	-
Start	20489	End	21262
Name	OJ990419_06.9C17.C29.o6.tw	Method	TBLASTX:Wheat
Start	15196	End	15627
GI	none	Score	91
Exons	15196..15345, 15370..15627		
Seq. No.	31829	Seq. ID	OJ990419_06.9C17.C29
Gene No.	65880	Strand	-
Start	20489	End	21262
Name	OJ990419_06.9C17.C29.o1.tm	Method	TBLASTX:Maize
Start	15373	End	16038
GI	none	Score	317
Exons	15373..15699, 15381..15710, 15708..15749, 15771..16022, 15772..16038		
Seq. No.	31829	Seq. ID	OJ990419_06.9C17.C29
Gene No.	65880	Strand	-
Start	20489	End	21262
Name	OJ990419_06.9C17.C29.o3.ts	Method	TBLASTX:Soybean
Start	15391	End	16080
GI	none	Score	225
Exons	15391..15699, 15474..15620, 15802..16080		
Seq. No.	31829	Seq. ID	OJ990419_06.9C17.C29
Gene No.	65880	Strand	-
Start	20489	End	21262
Name	OJ990419_06.9C17.C29.o5.np	Method	AAT/NAP
Start	20486	End	21262
GI	2827630	Score	148
Exons	20486..20654, 21189..21262		
GI Descrip.	(AL021636) putative protein [Arabidopsis thaliana]		
Seq. No.	31829	Seq. ID	OJ990419_06.9C17.C29
Gene No.	65880	Strand	-
Start	20489	End	21262
Name	OJ990419_06.9C17.C29.o5.gs	Method	GENSCAN
Start	20489	End	20646
GI	none	Score	.98
Exons	20489..20646		
Seq. No.	31829	Seq. ID	OJ990419_06.9C17.C29
Gene No.	65880	Strand	-
Start	20489	End	21262
Name	OJ990419_06.9C17.C29.o5.tc	Method	TBLASTX:Cress
Start	20500	End	20651
GI	none	Score	126
Exons	20500..20637, 20501..20647, 20508..20651, 20508..20648		
Seq. No.	31830	Seq. ID	OJ990419_06.9C17.C30
Gene No.	65881	Strand	-
Start	203	End	2683
Name	OJ990419_06.9C17.C30.o1.np	Method	AAT/NAP
Start	203	End	2683

GI	4567248	Score	1314
Exons	203..1630, 2039..2683		
GI Descrip.	(AC007070) unknown protein [Arabidopsis thaliana]		

Seq. No.	31830	Seq. ID	OJ990419_06.9C17.C30
Gene No.	65881	Strand	-
Start	203	End	2683
Name	OJ990419_06.9C17.C30.o2.ts	Method	TBLASTX:Soybean
Start	218	End	451
GI	none	Score	91
Exons	218..451, 245..442		

Seq. No.	31830	Seq. ID	OJ990419_06.9C17.C30
Gene No.	65881	Strand	-
Start	203	End	2683
Name	OJ990419_06.9C17.C30.o1.gs	Method	GENSCAN
Start	220	End	2680
GI	none	Score	.41
Exons	220..2680		

Seq. No.	31830	Seq. ID	OJ990419_06.9C17.C30
Gene No.	65881	Strand	-
Start	203	End	2683
Name	OJ990419_06.9C17.C30.o1.tc	Method	TBLASTX:Cress
Start	233	End	2548
GI	none	Score	103
Exons	233..445, 234..413, 612..1070, 617..1111, 1241..1330, 1263..1331, 1334..1432, 1396..1443, 2159..2548		

Seq. No.	31830	Seq. ID	OJ990419_06.9C17.C30
Gene No.	65881	Strand	-
Start	203	End	2683
Name	OJ990419_06.9C17.C30.o1.tm	Method	TBLASTX:Maize
Start	233	End	478
GI	none	Score	178
Exons	233..478, 234..410, 236..469		

Seq. No.	31830	Seq. ID	OJ990419_06.9C17.C30
Gene No.	65881	Strand	-
Start	203	End	2683
Name	OJ990419_06.9C17.C30.o1.ts	Method	TBLASTX:Soybean
Start	557	End	1432
GI	none	Score	229
Exons	557..616, 591..911, 619..780, 620..1066, 847..1104, 1169..1216, 1223..1330, 1224..1331, 1238..1366, 1334..1432		

Seq. No.	31830	Seq. ID	OJ990419_06.9C17.C30
Gene No.	65881	Strand	-
Start	203	End	2683
Name	OJ990419_06.9C17.C30.o2.tm	Method	TBLASTX:Maize
Start	845	End	1324
GI	none	Score	153
Exons	845..1066, 846..1073, 848..1066, 973..1077, 1235..1324		

Seq. No.	31830	Seq. ID	OJ990419_06.9C17.C30
Gene No.	65881	Strand	-
Start	203	End	2683

Name	OJ990419_06.9C17.C30.o3.tm	Method	TBLASTX:Maize
Start	2306	End	2548
GI	none	Score	183
Exons	2306..2548		

Seq. No.	31831	Seq. ID	OJ990419_06.9C17.C31
Gene No.	65882	Strand	-
Start	524	End	6047
Name	OJ990419_06.9C17.C31.o1.gs	Method	GENSCAN
Start	524	End	6047
GI	none	Score	.61
Exons	524..1066, 1561..2433, 2970..3313, 3574..3717, 3884..4145, 4284..4672, 5149..5209, 5272..5583, 5808..6047		

Seq. No.	31831	Seq. ID	OJ990419_06.9C17.C31
Gene No.	65882	Strand	-
Start	524	End	6047
Name	OJ990419_06.9C17.C31.o1.np	Method	AAT/NAP
Start	527	End	4676
GI	4234852	Score	3662
Exons	527..3898, 3941..4676		
GI Descrip.	(AF082133) gag-pol polyprotein [Zea mays]		

Seq. No.	31831	Seq. ID	OJ990419_06.9C17.C31
Gene No.	65882	Strand	-
Start	524	End	6047
Name	OJ990419_06.9C17.C31.o1.tm	Method	TBLASTX:Maize
Start	566	End	1195
GI	none	Score	78
Exons	566..763, 809..1153, 846..974, 1166..1195		

Seq. No.	31831	Seq. ID	OJ990419_06.9C17.C31
Gene No.	65882	Strand	-
Start	524	End	6047
Name	OJ990419_06.9C17.C31.o3.tw	Method	TBLASTX:Wheat
Start	578	End	1045
GI	none	Score	45
Exons	578..1045, 579..692, 734..1045		

Seq. No.	31831	Seq. ID	OJ990419_06.9C17.C31
Gene No.	65882	Strand	-
Start	524	End	6047
Name	OJ990419_06.9C17.C31.o2.ts	Method	TBLASTX:Soybean
Start	581	End	1153
GI	none	Score	246
Exons	581..757, 773..1153		

Seq. No.	31831	Seq. ID	OJ990419_06.9C17.C31
Gene No.	65882	Strand	-
Start	524	End	6047
Name	OJ990419_06.9C17.C31.o1.tw	Method	TBLASTX:Wheat
Start	1127	End	1918
GI	none	Score	72
Exons	1127..1222, 1255..1587, 1343..1432, 1369..1512, 1573..1917, 1622..1762, 1823..1918		

Seq. No.	31831	Seq. ID	OJ990419_06.9C17.C31

Gene No.	65882	Strand	-
Start	524	End	6047
Name	OJ990419_06.9C17.C31.o2.tm	Method	TBLASTX:Maize
Start	1534	End	1917
GI	none	Score	125
Exons	1534..1917, 1610..1762		

Seq. No.	31831	Seq. ID	OJ990419_06.9C17.C31
Gene No.	65882	Strand	-
Start	524	End	6047
Name	OJ990419_06.9C17.C31.o1.ts	Method	TBLASTX:Soybean
Start	1588	End	2046
GI	5509260	Score	201
Exons	1588..2046, 1610..1999		
GI Descrip.	-		

Seq. No.	31831	Seq. ID	OJ990419_06.9C17.C31
Gene No.	65882	Strand	-
Start	524	End	6047
Name	OJ990419_06.9C17.C31.o1.tc	Method	TBLASTX:Cress
Start	1699	End	1957
GI	none	Score	88
Exons	1699..1956, 1718..1957		

Seq. No.	31831	Seq. ID	OJ990419_06.9C17.C31
Gene No.	65882	Strand	-
Start	524	End	6047
Name	OJ990419_06.9C17.C31.o2.tw	Method	TBLASTX:Wheat
Start	2460	End	3179
GI	none	Score	42
Exons	2460..2615, 2542..2586, 2592..2876, 2626..2742, 2770..2877, 2791..2853, 2938..3012, 2940..3179, 2941..3003, 2984..3115		

Seq. No.	31831	Seq. ID	OJ990419_06.9C17.C31
Gene No.	65882	Strand	-
Start	524	End	6047
Name	OJ990419_06.9C17.C31.o3.ts	Method	TBLASTX:Soybean
Start	2514	End	2876
GI	none	Score	110
Exons	2514..2687, 2691..2840, 2691..2876, 2692..2844		

Seq. No.	31831	Seq. ID	OJ990419_06.9C17.C31
Gene No.	65882	Strand	-
Start	524	End	6047
Name	OJ990419_06.9C17.C31.o3.tm	Method	TBLASTX:Maize
Start	2706	End	3167
GI	none	Score	86
Exons	2706..2888, 2707..2877, 2775..2894, 2940..3167		

Seq. No.	31831	Seq. ID	OJ990419_06.9C17.C31
Gene No.	65882	Strand	-
Start	524	End	6047
Name	OJ990419_06.9C17.C31.o4.ts	Method	TBLASTX:Soybean
Start	2955	End	3350
GI	none	Score	47
Exons	2955..3095, 3058..3162, 3133..3333, 3135..3350, 3243..3350		

Seq. No.	31832	Seq. ID	OJ990419_06.9C17.C32
Gene No.	65883	Strand	-
Start	291	End	1128
Name	OJ990419_06.9C17.C32.o1.gs	Method	GENSCAN
Start	291	End	941
GI	none	Score	.56
Exons	291..490, 689..941		

Seq. No.	31832	Seq. ID	OJ990419_06.9C17.C32
Gene No.	65883	Strand	-
Start	291	End	1128
Name	OJ990419_06.9C17.C32.o2.tm	Method	TBLASTX:Maize
Start	297	End	569
GI	none	Score	131
Exons	297..335, 381..569, 393..539, 407..565, 448..567		

Seq. No.	31832	Seq. ID	OJ990419_06.9C17.C32
Gene No.	65883	Strand	-
Start	291	End	1128
Name	OJ990419_06.9C17.C32.o1.np	Method	AAT/NAP
Start	423	End	1128
GI	6705984	Score	1101
Exons	423..1128		
GI Descrip.	(AB033235) gag-pol polyprotein [Oryza sativa]		

Seq. No.	31832	Seq. ID	OJ990419_06.9C17.C32
Gene No.	65883	Strand	-
Start	291	End	1128
Name	OJ990419_06.9C17.C32.o1.tm	Method	TBLASTX:Maize
Start	571	End	845
GI	none	Score	243
Exons	571..843, 573..845		

Seq. No.	31832	Seq. ID	OJ990419_06.9C17.C32
Gene No.	65883	Strand	-
Start	291	End	1128
Name	OJ990419_06.9C17.C32.o1.tw	Method	TBLASTX:Wheat
Start	612	End	1010
GI	none	Score	454
Exons	612..1010, 619..1008		

Seq. No.	31832	Seq. ID	OJ990419_06.9C17.C32
Gene No.	65883	Strand	-
Start	291	End	1128
Name	OJ990419_06.9C17.C32.o3.tm	Method	TBLASTX:Maize
Start	849	End	1094
GI	none	Score	178
Exons	849..1094		

Seq. No.	31833	Seq. ID	OJ990419_06.9C17.C33
Gene No.	65884	Strand	-
Start	1	End	3630
Name	OJ990419_06.9C17.C33.o1.np	Method	AAT/NAP
Start	1	End	3621
GI	6705984	Score	4399
Exons	1..3621		
GI Descrip.	(AB033235) gag-pol polyprotein [Oryza sativa]		

Seq. No.	31833	Seq. ID	OJ990419_06.9C17.C33
Gene No.	65884	Strand	-
Start	1	End	3630
Name	OJ990419_06.9C17.C33.o1.gs	Method	GENSCAN
Start	117	End	3630
GI	none	Score	.44
Exons	117..1273, 1409..1584, 1660..1832, 2049..2180, 2195..2825, 3205..3630		

Seq. No.	31833	Seq. ID	OJ990419_06.9C17.C33
Gene No.	65885	Strand	-
Start	6972	End	13530
Name	OJ990419_06.9C17.C33.o1.tw	Method	TBLASTX:Wheat
Start	70	End	496
GI	none	Score	502
Exons	70..495, 71..496, 71..496		

Seq. No.	31833	Seq. ID	OJ990419_06.9C17.C33
Gene No.	65885	Strand	-
Start	6972	End	13530
Name	OJ990419_06.9C17.C33.o8.tm	Method	TBLASTX:Maize
Start	121	End	291
GI	none	Score	112
Exons	121..291, 122..289, 127..291		

Seq. No.	31833	Seq. ID	OJ990419_06.9C17.C33
Gene No.	65885	Strand	-
Start	6972	End	13530
Name	OJ990419_06.9C17.C33.o4.ts	Method	TBLASTX:Soybean
Start	212	End	411
GI	none	Score	74
Exons	212..301, 217..303, 299..397, 307..411		

Seq. No.	31833	Seq. ID	OJ990419_06.9C17.C33
Gene No.	65885	Strand	-
Start	6972	End	13530
Name	OJ990419_06.9C17.C33.o1.tm	Method	TBLASTX:Maize
Start	391	End	936
GI	none	Score	149
Exons	391..936, 515..895		

Seq. No.	31833	Seq. ID	OJ990419_06.9C17.C33
Gene No.	65885	Strand	-
Start	6972	End	13530
Name	OJ990419_06.9C17.C33.o2.ts	Method	TBLASTX:Soybean
Start	416	End	673
GI	none	Score	203
Exons	416..673, 418..672		

Seq. No.	31833	Seq. ID	OJ990419_06.9C17.C33
Gene No.	65885	Strand	-
Start	6972	End	13530
Name	OJ990419_06.9C17.C33.o5.tw	Method	TBLASTX:Wheat
Start	583	End	984
GI	none	Score	118
Exons	583..984, 584..937		

Seq. No.	31833	Seq. ID	OJ990419_06.9C17.C33
Gene No.	65885	Strand	-
Start	6972	End	13530
Name	OJ990419_06.9C17.C33.o1.ts	Method	TBLASTX:Soybean
Start	697	End	1056
GI	none	Score	124
Exons	697..1056, 710..937		

Seq. No.	31833	Seq. ID	OJ990419_06.9C17.C33
Gene No.	65885	Strand	-
Start	6972	End	13530
Name	OJ990419_06.9C17.C33.o2.tm	Method	TBLASTX:Maize
Start	979	End	1446
GI	none	Score	133
Exons	979..1446, 1010..1234		

Seq. No.	31833	Seq. ID	OJ990419_06.9C17.C33
Gene No.	65885	Strand	-
Start	6972	End	13530
Name	OJ990419_06.9C17.C33.o4.tw	Method	TBLASTX:Wheat
Start	1033	End	1515
GI	none	Score	158
Exons	1033..1515, 1067..1387		

Seq. No.	31833	Seq. ID	OJ990419_06.9C17.C33
Gene No.	65885	Strand	-
Start	6972	End	13530
Name	OJ990419_06.9C17.C33.o5.tm	Method	TBLASTX:Maize
Start	1471	End	1722
GI	none	Score	189
Exons	1471..1614, 1472..1612, 1627..1722		

Seq. No.	31833	Seq. ID	OJ990419_06.9C17.C33
Gene No.	65885	Strand	-
Start	6972	End	13530
Name	OJ990419_06.9C17.C33.o6.tw	Method	TBLASTX:Wheat
Start	1561	End	1744
GI	none	Score	146
Exons	1561..1743, 1565..1744		

Seq. No.	31833	Seq. ID	OJ990419_06.9C17.C33
Gene No.	65885	Strand	-
Start	6972	End	13530
Name	OJ990419_06.9C17.C33.o4.tm	Method	TBLASTX:Maize
Start	1795	End	2038
GI	none	Score	114
Exons	1795..2037, 1804..2034, 1829..2038		

Seq. No.	31833	Seq. ID	OJ990419_06.9C17.C33
Gene No.	65885	Strand	-
Start	6972	End	13530
Name	OJ990419_06.9C17.C33.o2.tw	Method	TBLASTX:Wheat
Start	1798	End	2280
GI	none	Score	126
Exons	1798..1992, 1826..1987, 1836..2006, 2005..2280, 2006..2260, 2011..2268		

Seq. No.	31833	Seq. ID	OJ990419_06.9C17.C33
Gene No.	65885	Strand	-
Start	6972	End	13530
Name	OJ990419_06.9C17.C33.o3.ts	Method	TBLASTX:Soybean
Start	1798	End	2038
GI	none	Score	108
Exons	1798..2037, 1804..2034, 1844..2038		

Seq. No.	31833	Seq. ID	OJ990419_06.9C17.C33
Gene No.	65885	Strand	-
Start	6972	End	13530
Name	OJ990419_06.9C17.C33.o3.tw	Method	TBLASTX:Wheat
Start	2629	End	11769
GI	none	Score	171
Exons	2629..2859, 2637..2885, 2637..2885, 2882..2983, 2920..2982, 2987..3178, 2989..3177, 3027..3194, 11121..11189, 11275..11565, 11586..11738, 11590..11769		

Seq. No.	31833	Seq. ID	OJ990419_06.9C17.C33
Gene No.	65885	Strand	-
Start	6972	End	13530
Name	OJ990419_06.9C17.C33.o5.ts	Method	TBLASTX:Soybean
Start	2763	End	11724
GI	none	Score	89
Exons	2763..2882, 2917..2973, 3013..3147, 3014..3148, 11350..11574, 11587..11724		

Seq. No.	31833	Seq. ID	OJ990419_06.9C17.C33
Gene No.	65885	Strand	-
Start	6972	End	13530
Name	OJ990419_06.9C17.C33.o6.tm	Method	TBLASTX:Maize
Start	2956	End	11769
GI	none	Score	197
Exons	2956..3192, 2957..3181, 3018..3191, 11569..11760, 11590..11769		

Seq. No.	31833	Seq. ID	OJ990419_06.9C17.C33
Gene No.	65885	Strand	-
Start	6972	End	13530
Name	OJ990419_06.9C17.C33.o2.np	Method	AAT/NAP
Start	6972	End	12736
GI	6069646	Score	462
Exons	6972..7019, 8938..9757, 12674..12736		
GI Descrip.	(AP000616) similar to putative reverse transcriptase (AC005315) [Oryza sativa] gi\|6907112\|dbj\|BAA90639.1\| (AP001129) Similar to Arabidopsis thaliana chromosome II BAC F9O13 genomic sequence, putative non-LTR retroelement reverse transcriptase. (AC006248) [Oryza sativa]		

Seq. No.	31833	Seq. ID	OJ990419_06.9C17.C33
Gene No.	65885	Strand	-
Start	6972	End	13530
Name	OJ990419_06.9C17.C33.o1.gp	Method	AAT/GAP
Start	7439	End	7681
GI	101153_1.R1084	Score	391
Exons	7439..7681		
GI Descrip.	'5852170/emb\|AL117265.1\|OST17804 1.0e-115 Oryza sativa		

indica(GLA4) genomic DNA, chromosome 4, BAC clone:t17804'

Seq. No.	31833	Seq. ID	OJ990419_06.9C17.C33
Gene No.	65885	Strand	-
Start	6972	End	13530
Name	OJ990419_06.9C17.C33.o2.gp	Method	AAT/GAP
Start	8693	End	8957
GI	61605_3.R1084	Score	420
Exons	8693..8957		
GI Descrip.	'1402920/emb\|CAA66965\| 2.0e-20 (X98321) peroxidase [Arabidopsis thaliana]'		

Seq. No.	31833	Seq. ID	OJ990419_06.9C17.C33
Gene No.	65885	Strand	-
Start	6972	End	13530
Name	OJ990419_06.9C17.C33.o7.tm	Method	TBLASTX:Maize
Start	9049	End	9396
GI	none	Score	90
Exons	9049..9396, 9086..9382		

Seq. No.	31833	Seq. ID	OJ990419_06.9C17.C33
Gene No.	65885	Strand	-
Start	6972	End	13530
Name	OJ990419_06.9C17.C33.o3.tm	Method	TBLASTX:Maize
Start	9401	End	9715
GI	none	Score	153
Exons	9401..9715, 9411..9689		

Seq. No.	31833	Seq. ID	OJ990419_06.9C17.C33
Gene No.	65885	Strand	-
Start	6972	End	13530
Name	OJ990419_06.9C17.C33.o3.np	Method	AAT/NAP
Start	9781	End	13530
GI	6815052	Score	1594
Exons	9781..9899, 10167..10237, 10319..11016, 11065..11214, 11982..12074, 12945..13044, 13342..13530		
GI Descrip.	(AP001080) hypothetical protein [Oryza sativa]		

Seq. No.	31834	Seq. ID	OJ990419_06.9C17.C34
Gene No.	65886	Strand	+
Start	837	End	4956
Name	OJ990419_06.9C17.C34.o3.tm	Method	TBLASTX:Maize
Start	832	End	1252
GI	none	Score	65
Exons	832..1251, 1031..1252		

Seq. No.	31834	Seq. ID	OJ990419_06.9C17.C34
Gene No.	65886	Strand	+
Start	837	End	4956
Name	OJ990419_06.9C17.C34.o1.np	Method	AAT/NAP
Start	837	End	4956
GI	6466937	Score	1129
Exons	837..880, 2474..2996, 3050..4956		
GI Descrip.	(AC011621) putative retroelement pol polyprotein [Arabidopsis thaliana]		

Seq. No.	31834	Seq. ID	OJ990419_06.9C17.C34

Gene No.	65886	Strand	+
Start	837	End	4956
Name	OJ990419_06.9C17.C34.o2.gs	Method	GENSCAN
Start	1974	End	4427
GI	none	Score	.42
Exons	1974..2144, 2180..2394, 2629..2809, 2930..3390, 3764..4427		

Seq. No.	31834	Seq. ID	OJ990419_06.9C17.C34
Gene No.	65886	Strand	+
Start	837	End	4956
Name	OJ990419_06.9C17.C34.o1.tm	Method	TBLASTX:Maize
Start	3870	End	4340
GI	none	Score	561
Exons	3870..4340, 3890..4315, 3954..4328		

Seq. No.	31834	Seq. ID	OJ990419_06.9C17.C34
Gene No.	65886	Strand	+
Start	837	End	4956
Name	OJ990419_06.9C17.C34.o1.tw	Method	TBLASTX:Wheat
Start	3963	End	4445
GI	none	Score	391
Exons	3963..4445, 4067..4387		

Seq. No.	31834	Seq. ID	OJ990419_06.9C17.C34
Gene No.	65886	Strand	+
Start	837	End	4956
Name	OJ990419_06.9C17.C34.o2.ts	Method	TBLASTX:Soybean
Start	3987	End	4313
GI	none	Score	240
Exons	3987..4313, 4025..4189		

Seq. No.	31834	Seq. ID	OJ990419_06.9C17.C34
Gene No.	65886	Strand	+
Start	837	End	4956
Name	OJ990419_06.9C17.C34.o1.ts	Method	TBLASTX:Soybean
Start	4428	End	4781
GI	none	Score	299
Exons	4428..4781, 4433..4702		

Seq. No.	31834	Seq. ID	OJ990419_06.9C17.C34
Gene No.	65886	Strand	+
Start	837	End	4956
Name	OJ990419_06.9C17.C34.o2.tw	Method	TBLASTX:Wheat
Start	4494	End	4895
GI	none	Score	290
Exons	4494..4895		

Seq. No.	31834	Seq. ID	OJ990419_06.9C17.C34
Gene No.	65886	Strand	+
Start	837	End	4956
Name	OJ990419_06.9C17.C34.o2.tm	Method	TBLASTX:Maize
Start	4524	End	4955
GI	none	Score	495
Exons	4524..4955, 4526..4954		

Seq. No.	31835	Seq. ID	OJ990419_06.9C17.C36
Gene No.	65887	Strand	-

Start	478	End	528
Name	OJ990419_06.9C17.C36.o1.gs	Method	GENSCAN
Start	478	End	528
GI	none	Score	.63
Exons	478..528		

Seq. No.	31836	Seq. ID	OJ990409_03.9C10.C1
Gene No.	65888	Strand	-
Start	221	End	667
Name	OJ990409_03.9C10.C1.o1.gs	Method	GENSCAN
Start	221	End	667
GI	none	Score	.69
Exons	221..667		

Seq. No.	31836	Seq. ID	OJ990409_03.9C10.C1
Gene No.	65888	Strand	-
Start	221	End	667
Name	OJ990409_03.9C10.C1.o1.tm	Method	TBLASTX:Maize
Start	239	End	664
GI	none	Score	42
Exons	239..310, 335..442, 336..635, 473..562, 474..656, 545..664		

Seq. No.	31837	Seq. ID	OJ990409_03.9C10.C3
Gene No.	65889	Strand	+
Start	1	End	1826
Name	OJ990409_03.9C10.C3.o1.np	Method	AAT/NAP
Start	1	End	1826
GI	1666236	Score	187
Exons	1..534, 1775..1826		
GI Descrip.	(U76261) unknown [Hordeum vulgare]		

Seq. No.	31837	Seq. ID	OJ990409_03.9C10.C3
Gene No.	65890	Strand	-
Start	1895	End	1905
Name	OJ990409_03.9C10.C3.o2.gs	Method	GENSCAN
Start	1895	End	1905
GI	none	Score	.9
Exons	1895..1905		

Seq. No.	31838	Seq. ID	OJ990409_03.9C10.C4
Gene No.	65891	Strand	+
Start	2080	End	3344
Name	OJ990409_03.9C10.C4.o1.gs	Method	GENSCAN
Start	2080	End	3344
GI	none	Score	.67
Exons	2080..2192, 2481..2530, 2943..3025, 3234..3344		

Seq. No.	31839	Seq. ID	OJ990409_03.9C10.C5
Gene No.	65892	Strand	+
Start	1239	End	2423
Name	OJ990409_03.9C10.C5.o1.gs	Method	GENSCAN
Start	1239	End	2423
GI	none	Score	.69
Exons	1239..1353, 2307..2423		

Seq. No.	31840	Seq. ID	OJ990409_03.9C10.C6
Gene No.	65893	Strand	-

Start	26	End	740
Name	OJ990409_03.9C10.C6.o1.gs	Method	GENSCAN
Start	26	End	740
GI	none	Score	.42
Exons	26..175, 421..740		

Seq. No.	31841	Seq. ID	OJ990409_03.9C10.C8
Gene No.	65894	Strand	-
Start	32	End	83
Name	OJ990409_03.9C10.C8.o1.gs	Method	GENSCAN
Start	32	End	83
GI	none	Score	.85
Exons	32..83		

Seq. No.	31842	Seq. ID	OJ990409_03.9C10.C9
Gene No.	65895	Strand	+
Start	1	End	497
Name	OJ990409_03.9C10.C9.o1.np	Method	AAT/NAP
Start	1	End	437
GI	1628482	Score	150
Exons	1..437		
GI Descrip.	(X97570) embryogenesis transmembrane protein [Zea mays]		

Seq. No.	31842	Seq. ID	OJ990409_03.9C10.C9
Gene No.	65895	Strand	+
Start	1	End	497
Name	OJ990409_03.9C10.C9.o1.gs	Method	GENSCAN
Start	14	End	497
GI	none	Score	.91
Exons	14..238, 285..497		

Seq. No.	31843	Seq. ID	OJ990409_03.9C10.C12
Gene No.	65896	Strand	+
Start	743	End	1360
Name	OJ990409_03.9C10.C12.o1.gs	Method	GENSCAN
Start	743	End	1360
GI	none	Score	.92
Exons	743..853, 1049..1360		

Seq. No.	31843	Seq. ID	OJ990409_03.9C10.C12
Gene No.	65897	Strand	-
Start	1130	End	1403
Name	OJ990409_03.9C10.C12.o1.np	Method	AAT/NAP
Start	1130	End	1403
GI	5852179	Score	136
Exons	1130..1403		
GI Descrip.	(AL117265) zhb0009.1 [Oryza sativa]		

Seq. No.	31844	Seq. ID	OJ990409_03.9C10.C13
Gene No.	65898	Strand	+
Start	1	End	882
Name	OJ990409_03.9C10.C13.o1.np	Method	AAT/NAP
Start	1	End	154
GI	5852178	Score	123
Exons	1..154		
GI Descrip.	(AL117265) zhb0008.1 [Oryza sativa]		

Seq. No.	31844	Seq. ID	OJ990409_03.9C10.C13
Gene No.	65898	Strand	+
Start	1	End	882
Name	OJ990409_03.9C10.C13.o2.np	Method	AAT/NAP
Start	1	End	882
GI	6063554	Score	128
Exons	1..29, 691..882		
GI Descrip.	(AP000615) ESTs AU075609(C63344),C71850(E0464),C98611(E0464) correspond to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	31845	Seq. ID	OJ990409_03.9C10.C14
Gene No.	65899	Strand	-
Start	666	End	814
Name	OJ990409_03.9C10.C14.o1.np	Method	AAT/NAP
Start	666	End	814
GI	4680186	Score	190
Exons	666..814		
GI Descrip.	(AF111709) unknown [Oryza sativa subsp. indica]		

Seq. No.	31846	Seq. ID	OJ990409_03.9C10.C15
Gene No.	65900	Strand	+
Start	2734	End	3495
Name	OJ990409_03.9C10.C15.o2.gs	Method	GENSCAN
Start	2734	End	3495
GI	none	Score	.85
Exons	2734..3030, 3286..3495		

Seq. No.	31846	Seq. ID	OJ990409_03.9C10.C15
Gene No.	65901	Strand	-
Start	1	End	804
Name	OJ990409_03.9C10.C15.o1.gp	Method	AAT/GAP
Start	1	End	804
GI	2310235	Score	306
Exons	1..55, 214..355, 767..804		
GI Descrip.	5852182/emb\|CAB55420.1\| 9.0e-13 (AL117265) zhb0012.1 [Oryza sativa]		

Seq. No.	31846	Seq. ID	OJ990409_03.9C10.C15
Gene No.	65901	Strand	-
Start	1	End	804
Name	OJ990409_03.9C10.C15.o1.gs	Method	GENSCAN
Start	19	End	355
GI	none	Score	.99
Exons	19..355		

Seq. No.	31846	Seq. ID	OJ990409_03.9C10.C15
Gene No.	65901	Strand	-
Start	1	End	804
Name	OJ990409_03.9C10.C15.o1.np	Method	AAT/NAP
Start	26	End	355
GI	5852182	Score	434
Exons	26..355		
GI Descrip.	(AL117265) zhb0012.1 [Oryza sativa]		

Seq. No.	31846	Seq. ID	OJ990409_03.9C10.C15
Gene No.	65902	Strand	-

Start	3768	End	4109
Name	OJ990409_03.9C10.C15.o3.gs	Method	GENSCAN
Start	3768	End	4109
GI	none	Score	.58
Exons	3768..3949, 3982..4109		

Seq. No.	31847	Seq. ID	OJ990409_03.9C10.C16
Gene No.	65903	Strand	+
Start	1480	End	4020
Name	OJ990409_03.9C10.C16.o1.gs	Method	GENSCAN
Start	1480	End	4020
GI	none	Score	.8
Exons	1480..2142, 2805..3885, 3926..4020		

Seq. No.	31847	Seq. ID	OJ990409_03.9C10.C16
Gene No.	65904	Strand	+
Start	9215	End	11823
Name	OJ990409_03.9C10.C16.o2.np	Method	AAT/NAP
Start	9215	End	11823
GI	5702196	Score	243
Exons	9215..9880, 9962..10058, 10152..10337, 11755..11823		
GI Descrip.	(AF107293) rust resistance protein [Zea mays]		

Seq. No.	31847	Seq. ID	OJ990409_03.9C10.C16
Gene No.	65904	Strand	+
Start	9215	End	11823
Name	OJ990409_03.9C10.C16.o3.gs	Method	GENSCAN
Start	9344	End	10411
GI	none	Score	.49
Exons	9344..10411		

Seq. No.	31847	Seq. ID	OJ990409_03.9C10.C16
Gene No.	65905	Strand	-
Start	4462	End	10140
Name	OJ990409_03.9C10.C16.o1.np	Method	AAT/NAP
Start	4447	End	10140
GI	5295971	Score	3565
Exons	4447..7682, 7710..8715, 10113..10140		
GI Descrip.	(AB026295) EST D24315(R1718) corresponds to a region of the predicted gene.; Similar to Tobacco DNA for retroviral-like transposon Tnt 1-94.(X13777) [Oryza sativa]		

Seq. No.	31847	Seq. ID	OJ990409_03.9C10.C16
Gene No.	65905	Strand	-
Start	4462	End	10140
Name	OJ990409_03.9C10.C16.o2.gs	Method	GENSCAN
Start	4462	End	9110
GI	none	Score	.65
Exons	4462..7716, 7802..8836, 9105..9110		

Seq. No.	31847	Seq. ID	OJ990409_03.9C10.C16
Gene No.	65906	Strand	-
Start	10232	End	10636
Name	OJ990409_03.9C10.C16.o1.gp	Method	AAT/GAP
Start	10232	End	10636
GI	uC-osflcyp131e07a1	Score	798
Exons	10232..10636		

GI Descrip. '5852182/emb|CAB55420.1| 9.0e-13 (AL117265) zhb0012.1 [Oryza sativa]'

Seq. No.	31847	Seq. ID	OJ990409_03.9C10.C16
Gene No.	65907	Strand	-
Start	11038	End	11823
Name	OJ990409_03.9C10.C16.o10.tm	Method	TBLASTX:Maize
Start	3330	End	3614
GI	none	Score	91
Exons	3330..3416, 3334..3408, 3369..3461, 3369..3461, 3406..3468, 3450..3608, 3452..3613, 3456..3614		

Seq. No.	31847	Seq. ID	OJ990409_03.9C10.C16
Gene No.	65907	Strand	-
Start	11038	End	11823
Name	OJ990409_03.9C10.C16.o1.ts	Method	TBLASTX:Soybean
Start	4463	End	5112
GI	none	Score	111
Exons	4463..4858, 4471..5112		

Seq. No.	31847	Seq. ID	OJ990409_03.9C10.C16
Gene No.	65907	Strand	-
Start	11038	End	11823
Name	OJ990409_03.9C10.C16.o1.tc	Method	TBLASTX:Cress
Start	4474	End	5134
GI	none	Score	90
Exons	4474..4692, 4517..4684, 4729..4842, 4840..4944, 4951..5133, 5000..5134		

Seq. No.	31847	Seq. ID	OJ990409_03.9C10.C16
Gene No.	65907	Strand	-
Start	11038	End	11823
Name	OJ990409_03.9C10.C16.o7.tm	Method	TBLASTX:Maize
Start	4475	End	4711
GI	none	Score	143
Exons	4475..4711, 4477..4707		

Seq. No.	31847	Seq. ID	OJ990409_03.9C10.C16
Gene No.	65907	Strand	-
Start	11038	End	11823
Name	OJ990409_03.9C10.C16.o4.tw	Method	TBLASTX:Wheat
Start	4504	End	4929
GI	none	Score	51
Exons	4504..4683, 4511..4684, 4720..4929, 4721..4840		

Seq. No.	31847	Seq. ID	OJ990409_03.9C10.C16
Gene No.	65907	Strand	-
Start	11038	End	11823
Name	OJ990409_03.9C10.C16.o1.tm	Method	TBLASTX:Maize
Start	4723	End	5172
GI	none	Score	154
Exons	4723..4938, 4724..4879, 4743..4949, 4936..5172, 4973..5164		

Seq. No.	31847	Seq. ID	OJ990409_03.9C10.C16
Gene No.	65907	Strand	-
Start	11038	End	11823
Name	OJ990409_03.9C10.C16.o6.tw	Method	TBLASTX:Wheat

Start	4981	End	5262
GI	none	Score	62
Exons	4981..5133, 5158..5262		

Seq. No.	31847	Seq. ID	OJ990409_03.9C10.C16
Gene No.	65907	Strand	-
Start	11038	End	11823
Name	OJ990409_03.9C10.C16.o5.tm	Method	TBLASTX:Maize
Start	5176	End	5439
GI	none	Score	138
Exons	5176..5439, 5177..5356, 5179..5439		

Seq. No.	31847	Seq. ID	OJ990409_03.9C10.C16
Gene No.	65907	Strand	-
Start	11038	End	11823
Name	OJ990409_03.9C10.C16.o1.tw	Method	TBLASTX:Wheat
Start	5272	End	5821
GI	none	Score	40
Exons	5272..5490, 5476..5820, 5558..5665, 5690..5821		

Seq. No.	31847	Seq. ID	OJ990409_03.9C10.C16
Gene No.	65907	Strand	-
Start	11038	End	11823
Name	OJ990409_03.9C10.C16.o2.ts	Method	TBLASTX:Soybean
Start	5503	End	6027
GI	5509260	Score	168
Exons	5503..6027, 5519..5908		
GI Descrip.	-		

Seq. No.	31847	Seq. ID	OJ990409_03.9C10.C16
Gene No.	65907	Strand	-
Start	11038	End	11823
Name	OJ990409_03.9C10.C16.o3.tc	Method	TBLASTX:Cress
Start	5602	End	5863
GI	none	Score	103
Exons	5602..5862, 5636..5863		

Seq. No.	31847	Seq. ID	OJ990409_03.9C10.C16
Gene No.	65907	Strand	-
Start	11038	End	11823
Name	OJ990409_03.9C10.C16.o3.tm	Method	TBLASTX:Maize
Start	5641	End	5961
GI	none	Score	251
Exons	5641..5961, 5642..5902		

Seq. No.	31847	Seq. ID	OJ990409_03.9C10.C16
Gene No.	65907	Strand	-
Start	11038	End	11823
Name	OJ990409_03.9C10.C16.o3.ts	Method	TBLASTX:Soybean
Start	6343	End	6822
GI	none	Score	48
Exons	6343..6531, 6376..6822, 6527..6817		

Seq. No.	31847	Seq. ID	OJ990409_03.9C10.C16
Gene No.	65907	Strand	-
Start	11038	End	11823
Name	OJ990409_03.9C10.C16.o2.tc	Method	TBLASTX:Cress

Start	6370	End	6807
GI	none	Score	247
Exons	6370..6807		

Seq. No.	31847	Seq. ID	OJ990409_03.9C10.C16
Gene No.	65907	Strand	-
Start	11038	End	11823
Name	OJ990409_03.9C10.C16.o2.tm	Method	TBLASTX:Maize
Start	6424	End	6853
GI	none	Score	138
Exons	6424..6495, 6508..6849, 6601..6834, 6629..6853		

Seq. No.	31847	Seq. ID	OJ990409_03.9C10.C16
Gene No.	65907	Strand	-
Start	11038	End	11823
Name	OJ990409_03.9C10.C16.o3.tw	Method	TBLASTX:Wheat
Start	6595	End	7056
GI	none	Score	85
Exons	6595..6858, 6632..6841, 6916..7056		

Seq. No.	31847	Seq. ID	OJ990409_03.9C10.C16
Gene No.	65907	Strand	-
Start	11038	End	11823
Name	OJ990409_03.9C10.C16.o5.ts	Method	TBLASTX:Soybean
Start	6916	End	7191
GI	none	Score	197
Exons	6916..7191, 7015..7095		

Seq. No.	31847	Seq. ID	OJ990409_03.9C10.C16
Gene No.	65907	Strand	-
Start	11038	End	11823
Name	OJ990409_03.9C10.C16.o2.tw	Method	TBLASTX:Wheat
Start	7141	End	7581
GI	none	Score	52
Exons	7141..7215, 7216..7581, 7301..7429, 7451..7567		

Seq. No.	31847	Seq. ID	OJ990409_03.9C10.C16
Gene No.	65907	Strand	-
Start	11038	End	11823
Name	OJ990409_03.9C10.C16.o4.tm	Method	TBLASTX:Maize
Start	7195	End	7665
GI	none	Score	214
Exons	7195..7350, 7196..7603, 7373..7594, 7384..7602, 7579..7665		

Seq. No.	31847	Seq. ID	OJ990409_03.9C10.C16
Gene No.	65907	Strand	-
Start	11038	End	11823
Name	OJ990409_03.9C10.C16.o8.tm	Method	TBLASTX:Maize
Start	8096	End	8423
GI	none	Score	93
Exons	8096..8422, 8097..8423		

Seq. No.	31847	Seq. ID	OJ990409_03.9C10.C16
Gene No.	65907	Strand	-
Start	11038	End	11823
Name	OJ990409_03.9C10.C16.o5.tw	Method	TBLASTX:Wheat
Start	8147	End	8497

GI	none	Score	201
Exons	8147..8497		
Seq. No.	31847	Seq. ID	OJ990409_03.9C10.C16
Gene No.	65907	Strand	-
Start	11038	End	11823
Name	OJ990409_03.9C10.C16.o9.tm	Method	TBLASTX:Maize
Start	9641	End	10048
GI	none	Score	163
Exons	9641..9901, 9962..10048		
Seq. No.	31847	Seq. ID	OJ990409_03.9C10.C16
Gene No.	65907	Strand	-
Start	11038	End	11823
Name	OJ990409_03.9C10.C16.o2.gp	Method	AAT/GAP
Start	11038	End	11774
GI	uC-osflcyp152a05a1	Score	838
Exons	11038..11330, 11407..11474, 11691..11774		
GI Descrip.	'3850821/emb\|CAA77135\| 1.0e-33 (Y18350) U2 snRNP auxiliary factor, large subunit [Nicotiana plumbaginifolia]'		
Seq. No.	31847	Seq. ID	OJ990409_03.9C10.C16
Gene No.	65907	Strand	-
Start	11038	End	11823
Name	OJ990409_03.9C10.C16.o4.tc	Method	TBLASTX:Cress
Start	11151	End	11823
GI	none	Score	124
Exons	11151..11183, 11184..11333, 11206..11331, 11392..11475, 11393..11476, 11692..11823, 11698..11814		
Seq. No.	31847	Seq. ID	OJ990409_03.9C10.C16
Gene No.	65907	Strand	-
Start	11038	End	11823
Name	OJ990409_03.9C10.C16.o4.ts	Method	TBLASTX:Soybean
Start	11190	End	11476
GI	none	Score	110
Exons	11190..11333, 11218..11334, 11392..11475, 11393..11476		
Seq. No.	31847	Seq. ID	OJ990409_03.9C10.C16
Gene No.	65907	Strand	-
Start	11038	End	11823
Name	OJ990409_03.9C10.C16.o4.gs	Method	GENSCAN
Start	11193	End	11772
GI	none	Score	.99
Exons	11193..11330, 11407..11474, 11691..11772		
Seq. No.	31847	Seq. ID	OJ990409_03.9C10.C16
Gene No.	65907	Strand	-
Start	11038	End	11823
Name	OJ990409_03.9C10.C16.o6.tm	Method	TBLASTX:Maize
Start	11193	End	11823
GI	none	Score	169
Exons	11193..11333, 11194..11334, 11392..11475, 11392..11490, 11393..11476, 11683..11823, 11686..11823		
Seq. No.	31847	Seq. ID	OJ990409_03.9C10.C16
Gene No.	65907	Strand	-

Start	11038	End	11823
Name	OJ990409_03.9C10.C16.o3.np	Method	AAT/NAP
Start	11196	End	11823
GI	6751682	Score	354
Exons	11196..11330, 11407..11474, 11691..11823		
GI Descrip.	(AC018908) putative U2 snRNP auxiliary factor [Arabidopsis thaliana]		

Seq. No.	31848	Seq. ID	OJ990409_03.9C10.C17
Gene No.	65908	Strand	-
Start	1	End	3770
Name	OJ990409_03.9C10.C17.o1.np	Method	AAT/NAP
Start	1	End	3770
GI	3850821	Score	1081
Exons	1..451, 590..649, 732..773, 883..951, 1989..2055, 2436..2540, 2728..3008, 3750..3770		
GI Descrip.	(Y18350) U2 snRNP auxiliary factor, large subunit [Nicotiana plumbaginifolia]		

Seq. No.	31848	Seq. ID	OJ990409_03.9C10.C17
Gene No.	65908	Strand	-
Start	1	End	3770
Name	OJ990409_03.9C10.C17.o1.tm	Method	TBLASTX:Maize
Start	2	End	2813
GI	none	Score	494
Exons	2..448, 2..454, 3..458, 590..652, 590..652, 591..653, 724..777, 726..776, 733..777, 886..942, 889..927, 2729..2761, 2757..2813		

Seq. No.	31848	Seq. ID	OJ990409_03.9C10.C17
Gene No.	65908	Strand	-
Start	1	End	3770
Name	OJ990409_03.9C10.C17.o1.ts	Method	TBLASTX:Soybean
Start	2	End	932
GI	none	Score	584
Exons	2..454, 3..458, 3..455, 4..462, 582..653, 590..670, 591..650, 880..927, 880..927, 891..932		

Seq. No.	31848	Seq. ID	OJ990409_03.9C10.C17
Gene No.	65908	Strand	-
Start	1	End	3770
Name	OJ990409_03.9C10.C17.o1.gs	Method	GENSCAN
Start	22	End	3016
GI	none	Score	.57
Exons	22..451, 590..649, 883..947, 2436..2540, 2728..3016		

Seq. No.	31848	Seq. ID	OJ990409_03.9C10.C17
Gene No.	65908	Strand	-
Start	1	End	3770
Name	OJ990409_03.9C10.C17.o1.tw	Method	TBLASTX:Wheat
Start	164	End	437
GI	none	Score	417
Exons	164..427, 165..437		

Seq. No.	31848	Seq. ID	OJ990409_03.9C10.C17
Gene No.	65908	Strand	-
Start	1	End	3770
Name	OJ990409_03.9C10.C17.o1.gp	Method	AAT/GAP

Start	419	End	3010
GI	13029_1.R1084	Score	1184
Exons	419..451, 590..649, 732..773, 883..947, 1979..2055, 2436..2540, 2728..3010		
GI Descrip.	'3850823/emb\|CAA77136\| 4.0e-19 (Y18351) U2 snRNP auxiliary factor, large subunit [Nicotiana plumbaginifolia]'		

Seq. No.	31849	Seq. ID	OJ990409_03.9C10.C19
Gene No.	65909	Strand	+
Start	1	End	4503
Name	OJ990409_03.9C10.C19.o1.np	Method	AAT/NAP
Start	1	End	4503
GI	1628482	Score	575
Exons	1..57, 2989..4503		
GI Descrip.	(X97570) embryogenesis transmembrane protein [Zea mays]		

Seq. No.	31849	Seq. ID	OJ990409_03.9C10.C19
Gene No.	65909	Strand	+
Start	1	End	4503
Name	OJ990409_03.9C10.C19.o2.gs	Method	GENSCAN
Start	2095	End	4430
GI	none	Score	.83
Exons	2095..2150, 2966..4430		

Seq. No.	31849	Seq. ID	OJ990409_03.9C10.C19
Gene No.	65909	Strand	+
Start	1	End	4503
Name	OJ990409_03.9C10.C19.o1.tm	Method	TBLASTX:Maize
Start	3023	End	4205
GI	none	Score	49
Exons	3023..3076, 3048..3077, 3087..3188, 3102..3254, 3255..3299, 3293..3385, 3294..3398, 3430..3534, 3476..3544, 3483..3545, 3534..3785, 3561..3794, 4017..4088, 4077..4205, 4077..4202		

Seq. No.	31849	Seq. ID	OJ990409_03.9C10.C19
Gene No.	65909	Strand	+
Start	1	End	4503
Name	OJ990409_03.9C10.C19.o1.tw	Method	TBLASTX:Wheat
Start	3171	End	3787
GI	none	Score	272
Exons	3171..3392, 3171..3380, 3185..3385, 3690..3785, 3704..3787		

Seq. No.	31850	Seq. ID	OJ990409_03.9C10.C20
Gene No.	65910	Strand	+
Start	217	End	7023
Name	OJ990409_03.9C10.C20.o1.gs	Method	GENSCAN
Start	217	End	7023
GI	none	Score	.47
Exons	217..434, 2136..2310, 3554..4544, 6427..6542, 6655..7023		

Seq. No.	31850	Seq. ID	OJ990409_03.9C10.C20
Gene No.	65910	Strand	+
Start	217	End	7023
Name	OJ990409_03.9C10.C20.o1.np	Method	AAT/NAP
Start	2343	End	5747
GI	4680338	Score	472
Exons	2343..2389, 3554..3841, 3872..4318, 4349..4623, 5710..5747		

GI Descrip. (AF128457) hypothetical protein [Oryza sativa subsp. indica]

Seq. No.	31850	Seq. ID	OJ990409_03.9C10.C20
Gene No.	65910	Strand	+
Start	217	End	7023
Name	OJ990409_03.9C10.C20.o1.tm	Method	TBLASTX:Maize
Start	3685	End	4516
GI	none	Score	126
Exons	3685..3777, 3686..3823, 4139..4324, 4364..4447, 4454..4516		

Seq. No.	31850	Seq. ID	OJ990409_03.9C10.C20
Gene No.	65910	Strand	+
Start	217	End	7023
Name	OJ990409_03.9C10.C20.o1.ts	Method	TBLASTX:Soybean
Start	4139	End	4516
GI	none	Score	156
Exons	4139..4300, 4364..4447, 4445..4516		

Seq. No.	31851	Seq. ID	OJ990409_03.9C10.C21
Gene No.	65911	Strand	+
Start	1	End	8842
Name	OJ990409_03.9C10.C21.o1.np	Method	AAT/NAP
Start	1	End	4475
GI	2735017	Score	855
Exons	1..41, 2098..2253, 2903..3020, 3212..3422, 3527..3764, 3854..4004, 4176..4475		

GI Descrip. (U82481) KI domain interacting kinase 1 [Zea mays]

Seq. No.	31851	Seq. ID	OJ990409_03.9C10.C21
Gene No.	65911	Strand	+
Start	1	End	8842
Name	OJ990409_03.9C10.C21.o1.gs	Method	GENSCAN
Start	1448	End	8842
GI	none	Score	.82
Exons	1448..2264, 2667..2765, 2863..3020, 3212..3422, 3527..3764, 3854..4004, 4176..4446, 6978..7076, 7839..7906, 8095..8236, 8253..8842		

Seq. No.	31851	Seq. ID	OJ990409_03.9C10.C21
Gene No.	65911	Strand	+
Start	1	End	8842
Name	OJ990409_03.9C10.C21.o1.tc	Method	TBLASTX:Cress
Start	2099	End	4417
GI	none	Score	60
Exons	2099..2161, 2198..2245, 2916..3020, 3211..3420, 3212..3421, 3525..3701, 3526..3762, 3549..3761, 3858..3983, 3866..3955, 4176..4388, 4211..4417		

Seq. No.	31851	Seq. ID	OJ990409_03.9C10.C21
Gene No.	65911	Strand	+
Start	1	End	8842
Name	OJ990409_03.9C10.C21.o1.tm	Method	TBLASTX:Maize
Start	2909	End	4400
GI	none	Score	111
Exons	2909..3019, 2910..3020, 3211..3414, 3212..3421, 3511..3762, 3525..3764, 3538..3771, 3827..3949, 3828..4004, 4176..4346, 4250..4345, 4326..4400		

Seq. No.	31851	Seq. ID	OJ990409_03.9C10.C21
Gene No.	65911	Strand	+
Start	1	End	8842
Name	OJ990409_03.9C10.C21.o1.ts	Method	TBLASTX:Soybean
Start	2934	End	4388
GI	none	Score	97
Exons	2934..3020, 3211..3414, 3212..3421, 3526..3762, 3549..3761, 3622..3783, 3854..3955, 3855..4004, 4173..4223, 4176..4388, 4244..4387		

Seq. No.	31851	Seq. ID	OJ990409_03.9C10.C21
Gene No.	65911	Strand	+
Start	1	End	8842
Name	OJ990409_03.9C10.C21.o1.tw	Method	TBLASTX:Wheat
Start	3336	End	3875
GI	none	Score	78
Exons	3336..3425, 3337..3417, 3343..3465, 3344..3421, 3525..3767, 3526..3756, 3526..3768, 3855..3875		

Seq. No.	31852	Seq. ID	OJ990409_03.9C10.C22
Gene No.	65912	Strand	+
Start	1	End	676
Name	OJ990409_03.9C10.C22.o1.np	Method	AAT/NAP
Start	1	End	676
GI	4467124	Score	567
Exons	1..676		
GI Descrip.	(AL035538) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	31852	Seq. ID	OJ990409_03.9C10.C22
Gene No.	65912	Strand	+
Start	1	End	676
Name	OJ990409_03.9C10.C22.o1.ts	Method	TBLASTX:Soybean
Start	1	End	633
GI	none	Score	318
Exons	1..327, 1..117, 18..299, 397..543, 562..633		

Seq. No.	31852	Seq. ID	OJ990409_03.9C10.C22
Gene No.	65912	Strand	+
Start	1	End	676
Name	OJ990409_03.9C10.C22.o1.tm	Method	TBLASTX:Maize
Start	30	End	642
GI	none	Score	66
Exons	30..227, 31..642, 39..608		

Seq. No.	31852	Seq. ID	OJ990409_03.9C10.C22
Gene No.	65912	Strand	+
Start	1	End	676
Name	OJ990409_03.9C10.C22.o1.tw	Method	TBLASTX:Wheat
Start	153	End	330
GI	none	Score	184
Exons	153..329, 154..330		

Seq. No.	31852	Seq. ID	OJ990409_03.9C10.C22
Gene No.	65912	Strand	+
Start	1	End	676
Name	OJ990409_03.9C10.C22.o1.gs	Method	GENSCAN

Start	241	End	642
GI	none	Score	.58
Exons	241..642		

Seq. No.	31853	Seq. ID	OJ990409_03.9C10.C23
Gene No.	65913	Strand	+
Start	7	End	546
Name	OJ990409_03.9C10.C23.o1.gs	Method	GENSCAN
Start	7	End	546
GI	none	Score	.98
Exons	7..546		

Seq. No.	31853	Seq. ID	OJ990409_03.9C10.C23
Gene No.	65914	Strand	-
Start	1	End	646
Name	OJ990409_03.9C10.C23.o1.np	Method	AAT/NAP
Start	1	End	646
GI	5091512	Score	678
Exons	1..360, 505..646		
GI Descrip.	(AB023482) Similar to Plasmodium vivax circumsporozoite protein gene; complete cds.(M11926) [Oryza sativa]		

Seq. No.	31854	Seq. ID	OJ990409_03.9C10.C24
Gene No.	65915	Strand	+
Start	705	End	927
Name	OJ990409_03.9C10.C24.o1.np	Method	AAT/NAP
Start	705	End	927
GI	3645899	Score	114
Exons	705..927		
GI Descrip.	(U68408) 5' end not determined experimentally [Zea mays]		

Seq. No.	31855	Seq. ID	OJ990409_03.9C10.C25
Gene No.	65916	Strand	+
Start	1	End	573
Name	OJ990409_03.9C10.C25.o1.np	Method	AAT/NAP
Start	1	End	573
GI	6907089	Score	683
Exons	1..573		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		

Seq. No.	31855	Seq. ID	OJ990409_03.9C10.C25
Gene No.	65916	Strand	+
Start	1	End	573
Name	OJ990409_03.9C10.C25.o1.gs	Method	GENSCAN
Start	65	End	499
GI	none	Score	.92
Exons	65..499		

Seq. No.	31856	Seq. ID	OJ990409_03.9C10.C27
Gene No.	65917	Strand	+
Start	50	End	783
Name	OJ990409_03.9C10.C27.o1.gs	Method	GENSCAN
Start	50	End	783
GI	none	Score	.93
Exons	50..118, 649..783		

Seq. No.	31857	Seq. ID	OJ990409_03.9C10.C29

Gene No.	65918	Strand	-
Start	3845	End	4024
Name	OJ990409_03.9C10.C29.o2.gs	Method	GENSCAN
Start	3845	End	4024
GI	none	Score	.98
Exons	3845..4024		

Seq. No.	31858	Seq. ID	OJ990409_03.9C10.C30
Gene No.	65919	Strand	+
Start	1706	End	4168
Name	OJ990409_03.9C10.C30.o2.gs	Method	GENSCAN
Start	1706	End	3372
GI	none	Score	.61
Exons	1706..1848, 2386..2440, 2535..2816, 2917..3372		

Seq. No.	31858	Seq. ID	OJ990409_03.9C10.C30
Gene No.	65919	Strand	+
Start	1706	End	4168
Name	OJ990409_03.9C10.C30.o1.np	Method	AAT/NAP
Start	2674	End	4168
GI	2129618	Score	241
Exons	2674..3230, 4096..4168		
GI Descrip.	hypothetical protein 1 - Arabidopsis thaliana retrotransposon Athila gi\|806535\|emb\|CAA57397\| (X81801) Athila ORF 1 [Arabidopsis thaliana]		

Seq. No.	31858	Seq. ID	OJ990409_03.9C10.C30
Gene No.	65919	Strand	+
Start	1706	End	4168
Name	OJ990409_03.9C10.C30.o3.gs	Method	GENSCAN
Start	3644	End	3964
GI	none	Score	.57
Exons	3644..3761, 3801..3964		

Seq. No.	31858	Seq. ID	OJ990409_03.9C10.C30
Gene No.	65920	Strand	-
Start	271	End	502
Name	OJ990409_03.9C10.C30.o1.gs	Method	GENSCAN
Start	271	End	502
GI	none	Score	.72
Exons	271..502		

Seq. No.	31858	Seq. ID	OJ990409_03.9C10.C30
Gene No.	65921	Strand	
Start	2754	End	3150
Name	OJ990409_03.9C10.C30.o1.tw	Method	TBLASTX:Wheat
Start	2754	End	3150
GI	none	Score	96
Exons	2754..2870, 2889..2987, 2998..3102, 3076..3150		

Seq. No.	31859	Seq. ID	OJ990409_03.9C10.C31
Gene No.	65922	Strand	+
Start	56	End	836
Name	OJ990409_03.9C10.C31.o1.gs	Method	GENSCAN
Start	56	End	836
GI	none	Score	.86
Exons	56..203, 712..836		

Seq. No.	31860	Seq. ID	OJ990409_03.9C10.C32
Gene No.	65923	Strand	-
Start	2008	End	2158
Name	OJ990409_03.9C10.C32.o2.gs	Method	GENSCAN
Start	2008	End	2158
GI	none	Score	.99
Exons	2008..2062, 2100..2158		

Seq. No.	31861	Seq. ID	OJ990409_03.9C10.C33
Gene No.	65924	Strand	+
Start	115	End	193
Name	OJ990409_03.9C10.C33.o1.gs	Method	GENSCAN
Start	115	End	193
GI	none	Score	.96
Exons	115..193		

Seq. No.	31862	Seq. ID	OJ990409_03.9C10.C34
Gene No.	65925	Strand	-
Start	357	End	597
Name	OJ990409_03.9C10.C34.o1.gs	Method	GENSCAN
Start	357	End	597
GI	none	Score	.64
Exons	357..597		

Seq. No.	31862	Seq. ID	OJ990409_03.9C10.C34
Gene No.	65926	Strand	-
Start	1206	End	2112
Name	OJ990409_03.9C10.C34.o2.gs	Method	GENSCAN
Start	1206	End	2036
GI	none	Score	.9
Exons	1206..2036		

Seq. No.	31862	Seq. ID	OJ990409_03.9C10.C34
Gene No.	65926	Strand	-
Start	1206	End	2112
Name	OJ990409_03.9C10.C34.o1.np	Method	AAT/NAP
Start	1428	End	2112
GI	2522230	Score	283
Exons	1428..2112		
GI Descrip.	(AB007467) retrotransposon-like gene; the first amino acid was determined to be leucine [Vicia faba]		

Seq. No.	31862	Seq. ID	OJ990409_03.9C10.C34
Gene No.	65926	Strand	-
Start	1206	End	2112
Name	OJ990409_03.9C10.C34.o1.tw	Method	TBLASTX:Wheat
Start	1743	End	2105
GI	none	Score	73
Exons	1743..1898, 1744..1848, 1938..2105		

Seq. No.	31863	Seq. ID	OJ990409_03.9C10.C35
Gene No.	65927	Strand	-
Start	1	End	1276
Name	OJ990409_03.9C10.C35.o1.np	Method	AAT/NAP
Start	1	End	580
GI	4417306	Score	257

Exons	1..580		
GI Descrip.	(AC006446) putative Athila retroelement ORF1 protein [Arabidopsis thaliana]		
Seq. No.	31863	Seq. ID	OJ990409_03.9C10.C35
Gene No.	65927	Strand	-
Start	1	End	1276
Name	OJ990409_03.9C10.C35.o1.gs	Method	GENSCAN
Start	55	End	1276
GI	none	Score	.4
Exons	55..216, 255..530, 1157..1276		
Seq. No.	31864	Seq. ID	OJ990409_03.9C10.C36
Gene No.	65928	Strand	+
Start	211	End	390
Name	OJ990409_03.9C10.C36.o1.gs	Method	GENSCAN
Start	211	End	390
GI	none	Score	.88
Exons	211..390		
Seq. No.	31865	Seq. ID	OJ990409_03.9C10.C38
Gene No.	65929	Strand	-
Start	624	End	753
Name	OJ990409_03.9C10.C38.o1.gs	Method	GENSCAN
Start	624	End	753
GI	none	Score	.47
Exons	624..753		
Seq. No.	31866	Seq. ID	OJ990409_03.9C10.C39
Gene No.	65930	Strand	-
Start	104	End	298
Name	OJ990409_03.9C10.C39.o1.gs	Method	GENSCAN
Start	104	End	298
GI	none	Score	.54
Exons	104..298		
Seq. No.	31866	Seq. ID	OJ990409_03.9C10.C39
Gene No.	65931	Strand	-
Start	656	End	758
Name	OJ990409_03.9C10.C39.o1.np	Method	AAT/NAP
Start	656	End	758
GI	4680186	Score	129
Exons	656..758		
GI Descrip.	(AF111709) unknown [Oryza sativa subsp. indica]		
Seq. No.	31867	Seq. ID	OJ990409_03.9C10.C40
Gene No.	65932	Strand	-
Start	584	End	982
Name	OJ990409_03.9C10.C40.o1.gs	Method	GENSCAN
Start	584	End	982
GI	none	Score	.52
Exons	584..711, 861..982		
Seq. No.	31868	Seq. ID	OJ990409_03.9C10.C41
Gene No.	65933	Strand	+
Start	1	End	65
Name	OJ990409_03.9C10.C41.o1.gp	Method	AAT/GAP

Start	1	End	65
GI	4715947	Score	87
Exons	1..65		
GI Descrip.	2252840 3.0e-09 (AF013293) contains regions of similarity to Haemophilus influenzae permease (SP:P38767) [Arabidopsis thaliana] >gi_6049882_gb_AAF02797.1_AF195115_17 (AF195115) contains regions of similarity to Haemophilus influenzae permease (SP:P38767) [Arabidopsis thaliana]		

Seq. No.	31868	Seq. ID	OJ990409_03.9C10.C41
Gene No.	65934	Strand	+
Start	9550	End	14788
Name	OJ990409_03.9C10.C41.o1.np	Method	AAT/NAP
Start	9550	End	14746
GI	4558564	Score	1143
Exons	9550..9622, 11852..12433, 13846..14746		
GI Descrip.	(AC007138) predicted protein of unknown function [Arabidopsis thaliana]		

Seq. No.	31868	Seq. ID	OJ990409_03.9C10.C41
Gene No.	65934	Strand	+
Start	9550	End	14788
Name	OJ990409_03.9C10.C41.o2.gs	Method	GENSCAN
Start	11743	End	14788
GI	none	Score	.89
Exons	11743..12447, 13863..14054, 14066..14788		

Seq. No.	31868	Seq. ID	OJ990409_03.9C10.C41
Gene No.	65934	Strand	+
Start	9550	End	14788
Name	OJ990409_03.9C10.C41.o2.gp	Method	AAT/GAP
Start	12508	End	12602
GI	LIB3477-003-P1-K1-E9	Score	127
Exons	12508..12602		
GI Descrip.	'2498586/sp\|Q40638\|MPO1_ORYSA 2.0e-24 MAJOR POLLEN ALLERGEN ORY S 1 PRECURSOR (ORY S I) >gi_1173557 (U31771) Ory s 1 [Oryza sativa]'		

Seq. No.	31868	Seq. ID	OJ990409_03.9C10.C41
Gene No.	65935	Strand	-
Start	17279	End	17921
Name	OJ990409_03.9C10.C41.o1.ts	Method	TBLASTX:Soybean
Start	11892	End	14737
GI	none	Score	80
Exons	11892..12044, 11911..11994, 11967..12050, 12130..12294, 13890..14015, 14164..14289, 14165..14290, 14294..14374, 14369..14737, 14371..14529, 14623..14736		

Seq. No.	31868	Seq. ID	OJ990409_03.9C10.C41
Gene No.	65935	Strand	-
Start	17279	End	17921
Name	OJ990409_03.9C10.C41.o2.tm	Method	TBLASTX:Maize
Start	12102	End	14356
GI	none	Score	121
Exons	12102..12146, 12103..12204, 12112..12180, 12181..12324, 12195..12308, 12233..12310, 12394..12447, 12410..12448, 14273..14356		

Seq. No.	31868	Seq. ID	OJ990409_03.9C10.C41
Gene No.	65935	Strand	-
Start	17279	End	17921
Name	OJ990409_03.9C10.C41.o3.tm	Method	TBLASTX:Maize
Start	13886	End	14203
GI	none	Score	180
Exons	13886..14110, 13887..14132, 14164..14202, 14165..14203		

Seq. No.	31868	Seq. ID	OJ990409_03.9C10.C41
Gene No.	65935	Strand	-
Start	17279	End	17921
Name	OJ990409_03.9C10.C41.o1.tc	Method	TBLASTX:Cress
Start	14321	End	14755
GI	none	Score	48
Exons	14321..14374, 14369..14755, 14371..14529, 14417..14572		

Seq. No.	31868	Seq. ID	OJ990409_03.9C10.C41
Gene No.	65935	Strand	-
Start	17279	End	17921
Name	OJ990409_03.9C10.C41.o1.tm	Method	TBLASTX:Maize
Start	14368	End	14750
GI	none	Score	354
Exons	14368..14529, 14369..14740, 14378..14578, 14626..14745, 14640..14750		

Seq. No.	31868	Seq. ID	OJ990409_03.9C10.C41
Gene No.	65935	Strand	-
Start	17279	End	17921
Name	OJ990409_03.9C10.C41.o3.gs	Method	GENSCAN
Start	17279	End	17921
GI	none	Score	.8
Exons	17279..17371, 17441..17514, 17808..17921		

Seq. No.	31869	Seq. ID	OJ990409_03.9C10.C42
Gene No.	65936	Strand	-
Start	447	End	4516
Name	OJ990409_03.9C10.C42.o1.gs	Method	GENSCAN
Start	447	End	4433
GI	none	Score	.46
Exons	447..539, 1102..1158, 1811..2123, 2475..3460, 3573..4433		

Seq. No.	31869	Seq. ID	OJ990409_03.9C10.C42
Gene No.	65936	Strand	-
Start	447	End	4516
Name	OJ990409_03.9C10.C42.o1.tc	Method	TBLASTX:Cress
Start	1602	End	2125
GI	none	Score	114
Exons	1602..1949, 1658..1990, 1658..2125		

Seq. No.	31869	Seq. ID	OJ990409_03.9C10.C42
Gene No.	65936	Strand	-
Start	447	End	4516
Name	OJ990409_03.9C10.C42.o2.tm	Method	TBLASTX:Maize
Start	1658	End	1924
GI	none	Score	97
Exons	1658..1924, 1659..1865		

Seq. No.	31869	Seq. ID	OJ990409_03.9C10.C42
Gene No.	65936	Strand	-
Start	447	End	4516
Name	OJ990409_03.9C10.C42.o2.ts	Method	TBLASTX:Soybean
Start	1658	End	1876
GI	none	Score	86
Exons	1658..1876, 1659..1865		

Seq. No.	31869	Seq. ID	OJ990409_03.9C10.C42
Gene No.	65936	Strand	-
Start	447	End	4516
Name	OJ990409_03.9C10.C42.o1.np	Method	AAT/NAP
Start	1661	End	4516
GI	4966374	Score	2242
Exons	1661..3956, 4032..4516		
GI Descrip.	(AC006341) >F3O9.28 [Arabidopsis thaliana]		

Seq. No.	31869	Seq. ID	OJ990409_03.9C10.C42
Gene No.	65936	Strand	-
Start	447	End	4516
Name	OJ990409_03.9C10.C42.o1.ts	Method	TBLASTX:Soybean
Start	1880	End	2425
GI	none	Score	117
Exons	1880..2155, 2162..2425, 2184..2369		

Seq. No.	31869	Seq. ID	OJ990409_03.9C10.C42
Gene No.	65936	Strand	-
Start	447	End	4516
Name	OJ990409_03.9C10.C42.o1.tm	Method	TBLASTX:Maize
Start	1925	End	4022
GI	none	Score	122
Exons	1925..2122, 2189..2578, 2283..2567, 2423..2578, 2471..2728, 2495..2578, 2612..2893, 2630..2728, 2780..3034, 2780..3031, 2795..3031, 3044..3400, 3071..3400, 3077..3103, 3104..3508, 3504..3704, 3513..3710, 3522..3728, 3609..3986, 3658..3912, 3690..4022, 3768..3893		

Seq. No.	31869	Seq. ID	OJ990409_03.9C10.C42
Gene No.	65936	Strand	-
Start	447	End	4516
Name	OJ990409_03.9C10.C42.o2.tc	Method	TBLASTX:Cress
Start	2255	End	4448
GI	none	Score	131
Exons	2255..2578, 2277..2579, 2780..2926, 3071..3232, 3314..3502, 3666..3839, 3969..4142, 3976..4131, 4269..4448		

Seq. No.	31869	Seq. ID	OJ990409_03.9C10.C42
Gene No.	65936	Strand	-
Start	447	End	4516
Name	OJ990409_03.9C10.C42.o1.tw	Method	TBLASTX:Wheat
Start	2366	End	4442
GI	none	Score	67
Exons	2366..2728, 2421..2531, 2424..2567, 2801..3031, 3071..3442, 3071..3148, 3504..3749, 3969..4247, 4045..4203, 4281..4442		

Seq. No.	31869	Seq. ID	OJ990409_03.9C10.C42

Gene No.	65936	Strand	-
Start	447	End	4516
Name	OJ990409_03.9C10.C42.o3.ts	Method	TBLASTX:Soybean
Start	2429	End	4259
GI	none	Score	71
Exons	2429..2569, 2624..2728, 2798..3031, 3071..3400, 3504..3713, 3960..4259, 4015..4200		

Seq. No.	31870	Seq. ID	OJ990409_03.9C10.C43
Gene No.	65937	Strand	+
Start	269	End	2116
Name	OJ990409_03.9C10.C43.o1.gs	Method	GENSCAN
Start	269	End	2116
GI	none	Score	.41
Exons	269..715, 1374..2116		

Seq. No.	31870	Seq. ID	OJ990409_03.9C10.C43
Gene No.	65937	Strand	+
Start	269	End	2116
Name	OJ990409_03.9C10.C43.o1.np	Method	AAT/NAP
Start	1601	End	1899
GI	3047086	Score	98
Exons	1601..1899		
GI Descrip.	(AF058914) similar to reverse transcriptase (Pfam: transcript_fact.hmm, score: 72.31) [Arabidopsis thaliana]		

Seq. No.	31870	Seq. ID	OJ990409_03.9C10.C43
Gene No.	65937	Strand	+
Start	269	End	2116
Name	OJ990409_03.9C10.C43.o1.tm	Method	TBLASTX:Maize
Start	1649	End	1930
GI	none	Score	167
Exons	1649..1810, 1814..1930		

Seq. No.	31871	Seq. ID	OJ990409_03.9C10.C44
Gene No.	65938	Strand	+
Start	1	End	2024
Name	OJ990409_03.9C10.C44.o1.np	Method	AAT/NAP
Start	1	End	2024
GI	6069646	Score	2585
Exons	1..758, 1040..2024		
GI Descrip.	(AP000616) similar to putative reverse transcriptase (AC005315) [Oryza sativa] gi\|6907112\|dbj\|BAA90639.1\| (AP001129) Similar to Arabidopsis thaliana chromosome II BAC F9O13 genomic sequence, putative non-LTR retroelement reverse transcriptase. (AC006248) [Oryza sativa]		

Seq. No.	31871	Seq. ID	OJ990409_03.9C10.C44
Gene No.	65938	Strand	+
Start	1	End	2024
Name	OJ990409_03.9C10.C44.o3.tm	Method	TBLASTX:Maize
Start	4	End	274
GI	none	Score	192
Exons	4..180, 5..196, 191..274, 208..267		

Seq. No.	31871	Seq. ID	OJ990409_03.9C10.C44
Gene No.	65938	Strand	+

Start	1	End	2024
Name	OJ990409_03.9C10.C44.o3.tw	Method	TBLASTX:Wheat
Start	212	End	481
GI	none	Score	188
Exons	212..481, 385..480		

Seq. No.	31871	Seq. ID	OJ990409_03.9C10.C44
Gene No.	65938	Strand	+
Start	1	End	2024
Name	OJ990409_03.9C10.C44.o1.tm	Method	TBLASTX:Maize
Start	278	End	982
GI	none	Score	89
Exons	278..700, 282..446, 287..673, 667..837, 821..982, 822..980		

Seq. No.	31871	Seq. ID	OJ990409_03.9C10.C44
Gene No.	65938	Strand	+
Start	1	End	2024
Name	OJ990409_03.9C10.C44.o2.tw	Method	TBLASTX:Wheat
Start	667	End	1061
GI	none	Score	126
Exons	667..828, 825..923, 933..1061		

Seq. No.	31871	Seq. ID	OJ990409_03.9C10.C44
Gene No.	65938	Strand	+
Start	1	End	2024
Name	OJ990409_03.9C10.C44.o4.tm	Method	TBLASTX:Maize
Start	1203	End	1448
GI	none	Score	200
Exons	1203..1448, 1205..1447		

Seq. No.	31871	Seq. ID	OJ990409_03.9C10.C44
Gene No.	65938	Strand	+
Start	1	End	2024
Name	OJ990409_03.9C10.C44.o2.tm	Method	TBLASTX:Maize
Start	1448	End	2009
GI	none	Score	295
Exons	1448..1765, 1449..1784, 1785..2009		

Seq. No.	31871	Seq. ID	OJ990409_03.9C10.C44
Gene No.	65938	Strand	+
Start	1	End	2024
Name	OJ990409_03.9C10.C44.o1.tw	Method	TBLASTX:Wheat
Start	1545	End	1898
GI	none	Score	214
Exons	1545..1742, 1574..1738, 1863..1898		

Seq. No.	31872	Seq. ID	OJ990409_03.9C10.C45
Gene No.	65939	Strand	+
Start	715	End	1748
Name	OJ990409_03.9C10.C45.o1.np	Method	AAT/NAP
Start	715	End	1748
GI	5852180	Score	419
Exons	715..832, 884..1320, 1721..1748		
GI Descrip.	(AL117265) zhb00010.1 [Oryza sativa]		

Seq. No.	31872	Seq. ID	OJ990409_03.9C10.C45
Gene No.	65940	Strand	-

Start	809	End	1411
Name	OJ990409_03.9C10.C45.o1.gs	Method	GENSCAN
Start	809	End	1411
GI	none	Score	.81
Exons	809..944, 1038..1411		

Seq. No.	31873	Seq. ID	OJ990409_03.9C10.C46
Gene No.	65941	Strand	-
Start	227	End	1355
Name	OJ990409_03.9C10.C46.o1.gs	Method	GENSCAN
Start	227	End	1355
GI	none	Score	.74
Exons	227..679, 738..1355		

Seq. No.	31873	Seq. ID	OJ990409_03.9C10.C46
Gene No.	65941	Strand	-
Start	227	End	1355
Name	OJ990409_03.9C10.C46.o1.np	Method	AAT/NAP
Start	245	End	536
GI	6498441	Score	109
Exons	245..536		
GI Descrip.	(AP000815) EST C72786(E2258) corresponds to a region of the predicted gene.; Similar to Sorghum bicolor Gypsy-Ty3 type retrotransposon RetroSor1. (AF098806) [Oryza sativa]		

Seq. No.	31873	Seq. ID	OJ990409_03.9C10.C46
Gene No.	65941	Strand	-
Start	227	End	1355
Name	OJ990409_03.9C10.C46.o1.ts	Method	TBLASTX:Soybean
Start	876	End	1214
GI	none	Score	199
Exons	876..1214		

Seq. No.	31874	Seq. ID	OJ990409_03.9C10.C47
Gene No.	65942	Strand	-
Start	80	End	526
Name	OJ990409_03.9C10.C47.o1.gs	Method	GENSCAN
Start	80	End	526
GI	none	Score	.86
Exons	80..526		

Seq. No.	31875	Seq. ID	OJ990409_03.9C10.C48
Gene No.	65943	Strand	+
Start	1	End	2013
Name	OJ990409_03.9C10.C48.o1.np	Method	AAT/NAP
Start	1	End	2013
GI	6063554	Score	185
Exons	1..403, 1841..2013		
GI Descrip.	(AP000615) ESTs AU075609(C63344),C71850(E0464),C98611(E0464) correspond to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	31875	Seq. ID	OJ990409_03.9C10.C48
Gene No.	65943	Strand	+
Start	1	End	2013
Name	OJ990409_03.9C10.C48.o1.gp	Method	AAT/GAP
Start	1398	End	1773

GI	2427387	Score	623
Exons	1398..1773		
GI Descrip.	5852170/emb\|AL117265.1\|OST17804 3.0e-94 Oryza sativa indica(GLA4) genomic DNA, chromosome 4, BAC clone:t17804		

Seq. No.	31875	Seq. ID	OJ990409_03.9C10.C48
Gene No.	65944	Strand	-
Start	298	End	833
Name	OJ990409_03.9C10.C48.o1.gs	Method	GENSCAN
Start	298	End	833
GI	none	Score	.94
Exons	298..540, 750..833		

Seq. No.	31875	Seq. ID	OJ990409_03.9C10.C48
Gene No.	65945	Strand	-
Start	1187	End	3608
Name	OJ990409_03.9C10.C48.o2.gs	Method	GENSCAN
Start	1187	End	3608
GI	none	Score	.62
Exons	1187..1233, 1745..1828, 2079..2195, 3170..3436, 3506..3608		

Seq. No.	31876	Seq. ID	OJ990409_03.9C10.C49
Gene No.	65946	Strand	+
Start	88	End	765
Name	OJ990409_03.9C10.C49.o1.gs	Method	GENSCAN
Start	88	End	765
GI	none	Score	.99
Exons	88..201, 329..765		

Seq. No.	31876	Seq. ID	OJ990409_03.9C10.C49
Gene No.	65947	Strand	-
Start	1	End	4960
Name	OJ990409_03.9C10.C49.o1.np	Method	AAT/NAP
Start	1	End	4960
GI	5295955	Score	453
Exons	1..115, 155..218, 298..578, 667..781, 1463..1577, 2120..2256, 4937..4960		
GI Descrip.	(AB026295) Similar to Epstein-Barr virus (EBV) genome.(V01555) [Oryza sativa]		

Seq. No.	31876	Seq. ID	OJ990409_03.9C10.C49
Gene No.	65947	Strand	-
Start	1	End	4960
Name	OJ990409_03.9C10.C49.o2.gs	Method	GENSCAN
Start	957	End	3894
GI	none	Score	.86
Exons	957..1038, 1193..1268, 1454..1577, 2052..2189, 3815..3894		

Seq. No.	31877	Seq. ID	OJ990409_03.9C10.C50
Gene No.	65948	Strand	+
Start	590	End	3920
Name	OJ990409_03.9C10.C50.o1.gs	Method	GENSCAN
Start	590	End	3920
GI	none	Score	.67
Exons	590..1056, 1604..1852, 1907..3920		

Seq. No.	31877	Seq. ID	OJ990409_03.9C10.C50

Gene No.	65948	Strand	+
Start	590	End	3920
Name	OJ990409_03.9C10.C50.o1.np	Method	AAT/NAP
Start	596	End	3905
GI	4680203	Score	3192
Exons	596..2261, 2415..2645, 2922..3905		
GI Descrip.	(AF114171) TNP2-like protein [Sorghum bicolor]		

Seq. No.	31877	Seq. ID	OJ990409_03.9C10.C50
Gene No.	65949	Strand	-
Start	3539	End	3973
Name	OJ990409_03.9C10.C50.o4.tw	Method	TBLASTX:Wheat
Start	947	End	1297
GI	none	Score	76
Exons	947..1033, 1031..1282, 1039..1281, 1040..1297, 1042..1284, 1050..1292		

Seq. No.	31877	Seq. ID	OJ990409_03.9C10.C50
Gene No.	65949	Strand	-
Start	3539	End	3973
Name	OJ990409_03.9C10.C50.o1.ts	Method	TBLASTX:Soybean
Start	1213	End	1640
GI	none	Score	103
Exons	1213..1296, 1214..1288, 1345..1566, 1377..1553, 1566..1622, 1572..1640		

Seq. No.	31877	Seq. ID	OJ990409_03.9C10.C50
Gene No.	65949	Strand	-
Start	3539	End	3973
Name	OJ990409_03.9C10.C50.o2.tc	Method	TBLASTX:Cress
Start	1374	End	1721
GI	none	Score	146
Exons	1374..1526, 1381..1551, 1581..1721, 1583..1702		

Seq. No.	31877	Seq. ID	OJ990409_03.9C10.C50
Gene No.	65949	Strand	-
Start	3539	End	3973
Name	OJ990409_03.9C10.C50.o2.tw	Method	TBLASTX:Wheat
Start	1510	End	1978
GI	none	Score	64
Exons	1510..1566, 1518..1562, 1577..1663, 1578..1667, 1671..1769, 1674..1769, 1676..1777, 1679..1771, 1749..1973, 1772..1978		

Seq. No.	31877	Seq. ID	OJ990409_03.9C10.C50
Gene No.	65949	Strand	-
Start	3539	End	3973
Name	OJ990409_03.9C10.C50.o2.tm	Method	TBLASTX:Maize
Start	1554	End	2012
GI	none	Score	211
Exons	1554..1808, 1581..1808, 1818..2012		

Seq. No.	31877	Seq. ID	OJ990409_03.9C10.C50
Gene No.	65949	Strand	-
Start	3539	End	3973
Name	OJ990409_03.9C10.C50.o2.ts	Method	TBLASTX:Soybean
Start	1842	End	2084
GI	none	Score	202

Exons	1842..2084		
Seq. No.	31877	Seq. ID	OJ990409_03.9C10.C50
Gene No.	65949	Strand	-
Start	3539	End	3973
Name	OJ990409_03.9C10.C50.o3.tw	Method	TBLASTX:Wheat
Start	2117	End	2522
GI	none	Score	87
Exons	2117..2167, 2118..2180, 2186..2368, 2190..2408, 2190..2408, 2197..2409, 2435..2521, 2441..2521, 2442..2522		
Seq. No.	31877	Seq. ID	OJ990409_03.9C10.C50
Gene No.	65949	Strand	-
Start	3539	End	3973
Name	OJ990409_03.9C10.C50.o1.tw	Method	TBLASTX:Wheat
Start	2523	End	3845
GI	none	Score	914
Exons	2523..2708, 2528..3430, 2529..3446, 3421..3486, 3441..3485, 3488..3583, 3492..3551, 3530..3670, 3531..3659, 3561..3677, 3599..3679, 3683..3736, 3684..3764, 3753..3845, 3757..3828, 3779..3844		
Seq. No.	31877	Seq. ID	OJ990409_03.9C10.C50
Gene No.	65949	Strand	-
Start	3539	End	3973
Name	OJ990409_03.9C10.C50.o1.tm	Method	TBLASTX:Maize
Start	2571	End	2885
GI	none	Score	306
Exons	2571..2885, 2582..2857		
Seq. No.	31877	Seq. ID	OJ990409_03.9C10.C50
Gene No.	65949	Strand	-
Start	3539	End	3973
Name	OJ990409_03.9C10.C50.o1.tc	Method	TBLASTX:Cress
Start	2812	End	3264
GI	none	Score	157
Exons	2812..2994, 2816..3253, 2816..3259, 2820..3263, 3013..3264, 3114..3263		
Seq. No.	31877	Seq. ID	OJ990409_03.9C10.C50
Gene No.	65949	Strand	-
Start	3539	End	3973
Name	OJ990409_03.9C10.C50.o1.gp	Method	AAT/GAP
Start	3539	End	3973
GI	LIB3431-028-P1-N1-A10	Score	669
Exons	3539..3973		
GI Descrip.	'4680203/gb\|AAD27566.1\|AF114171_7 3.0e-33 (AF114171) TNP2-like protein [Sorghum bicolor]'		
Seq. No.	31878	Seq. ID	OJ990409_03.9C10.C51
Gene No.	65950	Strand	+
Start	96	End	837
Name	OJ990409_03.9C10.C51.o1.gp	Method	AAT/GAP
Start	96	End	837
GI	342_1.R1084	Score	947
Exons	96..119, 198..837		
GI Descrip.	'4574406/gb\|AAD24042.1\| 0.0e+00 (AF121139) RIM2 protein [Oryza		

sativa]'

Seq. No.	31878	Seq. ID	OJ990409_03.9C10.C51
Gene No.	65951	Strand	-
Start	1152	End	1996
Name	OJ990409_03.9C10.C51.o1.np	Method	AAT/NAP
Start	1149	End	1996
GI	4585884	Score	505
Exons	1149..1996		
GI Descrip.	(AC005850) Hypothetical protein [Arabidopsis thaliana]		

Seq. No.	31878	Seq. ID	OJ990409_03.9C10.C51
Gene No.	65951	Strand	-
Start	1152	End	1996
Name	OJ990409_03.9C10.C51.o1.gs	Method	GENSCAN
Start	1152	End	1856
GI	none	Score	.79
Exons	1152..1856		

Seq. No.	31878	Seq. ID	OJ990409_03.9C10.C51
Gene No.	65951	Strand	-
Start	1152	End	1996
Name	OJ990409_03.9C10.C51.o1.tm	Method	TBLASTX:Maize
Start	1399	End	1851
GI	none	Score	72
Exons	1399..1596, 1404..1607, 1638..1850, 1648..1725, 1792..1851		

Seq. No.	31878	Seq. ID	OJ990409_03.9C10.C51
Gene No.	65951	Strand	-
Start	1152	End	1996
Name	OJ990409_03.9C10.C51.o1.ts	Method	TBLASTX:Soybean
Start	1467	End	1859
GI	none	Score	95
Exons	1467..1532, 1518..1859, 1534..1710, 1792..1851		

Seq. No.	31878	Seq. ID	OJ990409_03.9C10.C51
Gene No.	65951	Strand	-
Start	1152	End	1996
Name	OJ990409_03.9C10.C51.o1.tw	Method	TBLASTX:Wheat
Start	1605	End	1970
GI	none	Score	72
Exons	1605..1970, 1606..1851		

Seq. No.	31879	Seq. ID	OJ990409_03.9C10.C53
Gene No.	65952	Strand	+
Start	642	End	4357
Name	OJ990409_03.9C10.C53.o1.np	Method	AAT/NAP
Start	642	End	4339
GI	4680204	Score	1015
Exons	642..2079, 2154..3252, 3362..3535, 3632..3851, 4202..4339		
GI Descrip.	(AF114171) hypothetical protein [Sorghum bicolor]		

Seq. No.	31879	Seq. ID	OJ990409_03.9C10.C53
Gene No.	65952	Strand	+
Start	642	End	4357
Name	OJ990409_03.9C10.C53.o1.gs	Method	GENSCAN
Start	657	End	4357

GI	none	Score	.71
Exons	657..921, 953..1914, 1960..2079, 2154..2295, 2472..3252, 3362..3535, 3632..3742, 3827..3899, 3994..4119, 4172..4357		

Seq. No.	31879	Seq. ID	OJ990409_03.9C10.C53
Gene No.	65953	Strand	+
Start	7229	End	7911
Name	OJ990409_03.9C10.C53.o2.np	Method	AAT/NAP
Start	7229	End	7911
GI	5922623	Score	284
Exons	7229..7309, 7687..7911		
GI Descrip.	(AP000492) hypothetical protein [Oryza sativa] gi\|6016856\|dbj\|BAA85199.1\| (AP000570) hypothetical protein [Oryza sativa]		

Seq. No.	31879	Seq. ID	OJ990409_03.9C10.C53
Gene No.	65954	Strand	-
Start	4744	End	4887
Name	OJ990409_03.9C10.C53.o2.gp	Method	AAT/GAP
Start	4744	End	4887
GI	21474_1.R1084	Score	248
Exons	4744..4887		
GI Descrip.	'3894159 2.0e-10 (AC005312) hypothetical protein [Arabidopsis thaliana]'		

Seq. No.	31879	Seq. ID	OJ990409_03.9C10.C53
Gene No.	65955	Strand	-
Start	6478	End	7173
Name	OJ990409_03.9C10.C53.o1.tw	Method	TBLASTX:Wheat
Start	1286	End	1689
GI	none	Score	215
Exons	1286..1402, 1288..1524, 1288..1437, 1389..1556, 1519..1689		

Seq. No.	31879	Seq. ID	OJ990409_03.9C10.C53
Gene No.	65955	Strand	-
Start	6478	End	7173
Name	OJ990409_03.9C10.C53.o2.tw	Method	TBLASTX:Wheat
Start	3179	End	3701
GI	none	Score	61
Exons	3179..3259, 3348..3530, 3398..3523, 3630..3701		

Seq. No.	31879	Seq. ID	OJ990409_03.9C10.C53
Gene No.	65955	Strand	-
Start	6478	End	7173
Name	OJ990409_03.9C10.C53.o2.gs	Method	GENSCAN
Start	6478	End	7173
GI	none	Score	.78
Exons	6478..7173		

Seq. No.	31880	Seq. ID	OJ990409_03.9C10.C54
Gene No.	65956	Strand	+
Start	64	End	141
Name	OJ990409_03.9C10.C54.o1.gs	Method	GENSCAN
Start	64	End	141
GI	none	Score	.44
Exons	64..141		

Seq. No.	31880	Seq. ID	OJ990409_03.9C10.C54
Gene No.	65957	Strand	+
Start	743	End	2176
Name	OJ990409_03.9C10.C54.o1.np	Method	AAT/NAP
Start	743	End	2176
GI	6907089	Score	2042
Exons	743..2005, 2101..2176		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		

Seq. No.	31880	Seq. ID	OJ990409_03.9C10.C54
Gene No.	65957	Strand	+
Start	743	End	2176
Name	OJ990409_03.9C10.C54.o2.gs	Method	GENSCAN
Start	743	End	2005
GI	none	Score	.52
Exons	743..1051, 1089..1809, 1837..2005		

Seq. No.	31881	Seq. ID	OJ990409_03.9C10.C55
Gene No.	65958	Strand	+
Start	1	End	507
Name	OJ990409_03.9C10.C55.o1.np	Method	AAT/NAP
Start	1	End	504
GI	6907089	Score	625
Exons	1..504		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		

Seq. No.	31881	Seq. ID	OJ990409_03.9C10.C55
Gene No.	65958	Strand	+
Start	1	End	507
Name	OJ990409_03.9C10.C55.o1.gs	Method	GENSCAN
Start	46	End	507
GI	none	Score	.95
Exons	46..507		

Seq. No.	31881	Seq. ID	OJ990409_03.9C10.C55
Gene No.	65959	Strand	-
Start	1293	End	2125
Name	OJ990409_03.9C10.C55.o2.tm	Method	TBLASTX:Maize
Start	1126	End	1296
GI	none	Score	101
Exons	1126..1296, 1127..1291		

Seq. No.	31881	Seq. ID	OJ990409_03.9C10.C55
Gene No.	65959	Strand	-
Start	1293	End	2125
Name	OJ990409_03.9C10.C55.o2.np	Method	AAT/NAP
Start	1156	End	2125
GI	6498441	Score	1350
Exons	1156..1442, 1536..2125		
GI Descrip.	(AP000815) EST C72786(E2258) corresponds to a region of the predicted gene.; Similar to Sorghum bicolor Gypsy-Ty3 type retrotransposon RetroSor1. (AF098806) [Oryza sativa]		

Seq. No.	31881	Seq. ID	OJ990409_03.9C10.C55
Gene No.	65959	Strand	-
Start	1293	End	2125
Name	OJ990409_03.9C10.C55.o2.gs	Method	GENSCAN

Start	1293	End	2051
GI	none	Score	.42
Exons	1293..2051		

Seq. No.	31881	Seq. ID	OJ990409_03.9C10.C55
Gene No.	65959	Strand	-
Start	1293	End	2125
Name	OJ990409_03.9C10.C55.o1.tw	Method	TBLASTX:Wheat
Start	1668	End	2066
GI	none	Score	124
Exons	1668..2066, 1671..2027, 1975..2049		

Seq. No.	31881	Seq. ID	OJ990409_03.9C10.C55
Gene No.	65959	Strand	-
Start	1293	End	2125
Name	OJ990409_03.9C10.C55.o1.tm	Method	TBLASTX:Maize
Start	1755	End	2123
GI	none	Score	70
Exons	1755..1868, 1759..1848, 1866..2123, 1902..2090		

Seq. No.	31882	Seq. ID	OJ990409_03.9C10.C56
Gene No.	65960	Strand	-
Start	1	End	1537
Name	OJ990409_03.9C10.C56.o1.np	Method	AAT/NAP
Start	1	End	1537
GI	6498441	Score	1278
Exons	1..236, 408..879, 1072..1323, 1420..1537		
GI Descrip.	(AP000815) EST C72786(E2258) corresponds to a region of the predicted gene.; Similar to Sorghum bicolor Gypsy-Ty3 type retrotransposon RetroSor1. (AF098806) [Oryza sativa]		

Seq. No.	31882	Seq. ID	OJ990409_03.9C10.C56
Gene No.	65960	Strand	-
Start	1	End	1537
Name	OJ990409_03.9C10.C56.o1.tw	Method	TBLASTX:Wheat
Start	102	End	536
GI	none	Score	87
Exons	102..251, 103..240, 298..471, 312..536, 312..536		

Seq. No.	31882	Seq. ID	OJ990409_03.9C10.C56
Gene No.	65960	Strand	-
Start	1	End	1537
Name	OJ990409_03.9C10.C56.o1.tm	Method	TBLASTX:Maize
Start	1107	End	1464
GI	none	Score	51
Exons	1107..1190, 1108..1188, 1209..1463, 1210..1464		

Seq. No.	31882	Seq. ID	OJ990409_03.9C10.C56
Gene No.	65960	Strand	-
Start	1	End	1537
Name	OJ990409_03.9C10.C56.o1.ts	Method	TBLASTX:Soybean
Start	1161	End	1466
GI	none	Score	195
Exons	1161..1466		

Seq. No.	31882	Seq. ID	OJ990409_03.9C10.C56
Gene No.	65960	Strand	-

Start	1	End	1537
Name	OJ990409_03.9C10.C56.o2.tw	Method	TBLASTX:Wheat
Start	1186	End	1466
GI	none	Score	218
Exons	1186..1464, 1191..1466		

Seq. No.	31883	Seq. ID	OJ990409_03.9C10.C58
Gene No.	65961	Strand	+
Start	524	End	972
Name	OJ990409_03.9C10.C58.o1.gs	Method	GENSCAN
Start	524	End	972
GI	none	Score	.84
Exons	524..665, 869..972		

Seq. No.	31883	Seq. ID	OJ990409_03.9C10.C58
Gene No.	65962	Strand	-
Start	1234	End	1393
Name	OJ990409_03.9C10.C58.o2.gs	Method	GENSCAN
Start	1234	End	1393
GI	none	Score	.69
Exons	1234..1393		

Seq. No.	31884	Seq. ID	OJ990409_03.9C10.C59
Gene No.	65963	Strand	+
Start	281	End	1734
Name	OJ990409_03.9C10.C59.o1.gs	Method	GENSCAN
Start	281	End	1734
GI	none	Score	.72
Exons	281..444, 685..1371, 1453..1734		

Seq. No.	31885	Seq. ID	OJ990409_03.9C10.C60
Gene No.	65964	Strand	+
Start	747	End	1034
Name	OJ990409_03.9C10.C60.o1.gp	Method	AAT/GAP
Start	747	End	1034
GI	uC-osf1cyp033a04b1	Score	502
Exons	747..1034		
GI Descrip.	'6016845/dbj\|AP000570.1\|AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		

Seq. No.	31885	Seq. ID	OJ990409_03.9C10.C60
Gene No.	65965	Strand	-
Start	675	End	903
Name	OJ990409_03.9C10.C60.o1.np	Method	AAT/NAP
Start	675	End	903
GI	4680186	Score	240
Exons	675..903		
GI Descrip.	(AF111709) unknown [Oryza sativa subsp. indica]		

Seq. No.	31885	Seq. ID	OJ990409_03.9C10.C60
Gene No.	65965	Strand	-
Start	675	End	903
Name	OJ990409_03.9C10.C60.o1.gs	Method	GENSCAN
Start	727	End	880
GI	none	Score	.59
Exons	727..880		

Seq. No.	31886	Seq. ID	OJ990409_03.9C10.C61
Gene No.	65966	Strand	+
Start	1	End	4471
Name	OJ990409_03.9C10.C61.o1.np	Method	AAT/NAP
Start	1	End	1440
GI	6907087	Score	830
Exons	1..57, 103..798, 1339..1440		
GI Descrip.	(AP001129) ESTs C72771(E2215),AU082313(E2215) correspond to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	31886	Seq. ID	OJ990409_03.9C10.C61
Gene No.	65966	Strand	+
Start	1	End	4471
Name	OJ990409_03.9C10.C61.o1.gs	Method	GENSCAN
Start	88	End	4471
GI	none	Score	.69
Exons	88..798, 804..876, 1339..1420, 3235..3389, 3635..3715, 4052..4471		

Seq. No.	31886	Seq. ID	OJ990409_03.9C10.C61
Gene No.	65966	Strand	+
Start	1	End	4471
Name	OJ990409_03.9C10.C61.o1.gp	Method	AAT/GAP
Start	1896	End	2277
GI	uC-osf1cyp033a04b1	Score	671
Exons	1896..2277		
GI Descrip.	'6016845/dbj\|AP000570.1\|AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		

Seq. No.	31886	Seq. ID	OJ990409_03.9C10.C61
Gene No.	65967	Strand	-
Start	1829	End	2029
Name	OJ990409_03.9C10.C61.o2.np	Method	AAT/NAP
Start	1829	End	2029
GI	4680186	Score	331
Exons	1829..2029		
GI Descrip.	(AF111709) unknown [Oryza sativa subsp. indica]		

Seq. No.	31886	Seq. ID	OJ990409_03.9C10.C61
Gene No.	65968	Strand	-
Start	4859	End	8192
Name	OJ990409_03.9C10.C61.o3.np	Method	AAT/NAP
Start	4859	End	6967
GI	629693	Score	414
Exons	4859..6011, 6942..6967		
GI Descrip.	probable integrase - common tobacco (fragment) gi\|530742\|emb\|CAA56791\| (X80830) integrase [Nicotiana tabacum]		

Seq. No.	31886	Seq. ID	OJ990409_03.9C10.C61
Gene No.	65968	Strand	-
Start	4859	End	8192
Name	OJ990409_03.9C10.C61.o5.ts	Method	TBLASTX:Soybean
Start	4905	End	5138
GI	none	Score	115
Exons	4905..5138, 4909..5100		

Seq. No.	31886	Seq. ID	OJ990409_03.9C10.C61
Gene No.	65968	Strand	-
Start	4859	End	8192
Name	OJ990409_03.9C10.C61.o4.np	Method	AAT/NAP
Start	4911	End	8192
GI	4206306	Score	1207
Exons	4911..7990, 8165..8192		
GI Descrip.	(AF049110) prpol [Zea mays]		

Seq. No.	31886	Seq. ID	OJ990409_03.9C10.C61
Gene No.	65968	Strand	-
Start	4859	End	8192
Name	OJ990409_03.9C10.C61.o2.tw	Method	TBLASTX:Wheat
Start	4926	End	5333
GI	none	Score	57
Exons	4926..5333, 4927..5115		

Seq. No.	31886	Seq. ID	OJ990409_03.9C10.C61
Gene No.	65968	Strand	-
Start	4859	End	8192
Name	OJ990409_03.9C10.C61.o2.gs	Method	GENSCAN
Start	5088	End	8104
GI	none	Score	.68
Exons	5088..5309, 5697..5796, 6166..6534, 6885..7015, 7379..7488, 7559..7726, 7757..7992, 8016..8104		

Seq. No.	31886	Seq. ID	OJ990409_03.9C10.C61
Gene No.	65968	Strand	-
Start	4859	End	8192
Name	OJ990409_03.9C10.C61.o3.tm	Method	TBLASTX:Maize
Start	5538	End	5918
GI	none	Score	83
Exons	5538..5762, 5760..5918		

Seq. No.	31886	Seq. ID	OJ990409_03.9C10.C61
Gene No.	65968	Strand	-
Start	4859	End	8192
Name	OJ990409_03.9C10.C61.o4.ts	Method	TBLASTX:Soybean
Start	5607	End	5912
GI	none	Score	89
Exons	5607..5912, 5698..5904		

Seq. No.	31886	Seq. ID	OJ990409_03.9C10.C61
Gene No.	65968	Strand	-
Start	4859	End	8192
Name	OJ990409_03.9C10.C61.o1.ts	Method	TBLASTX:Soybean
Start	6369	End	6778
GI	none	Score	44
Exons	6369..6563, 6581..6619, 6582..6620, 6641..6778, 6645..6770		

Seq. No.	31886	Seq. ID	OJ990409_03.9C10.C61
Gene No.	65968	Strand	-
Start	4859	End	8192
Name	OJ990409_03.9C10.C61.o2.ts	Method	TBLASTX:Soybean
Start	6929	End	7399
GI	none	Score	100
Exons	6929..7117, 6960..7127, 7118..7399, 7161..7361		

Seq. No.	31886	Seq. ID	OJ990409_03.9C10.C61
Gene No.	65968	Strand	-
Start	4859	End	8192
Name	OJ990409_03.9C10.C61.o3.tw	Method	TBLASTX:Wheat
Start	7016	End	7414
GI	none	Score	78
Exons	7016..7117, 7083..7340, 7097..7414		

Seq. No.	31886	Seq. ID	OJ990409_03.9C10.C61
Gene No.	65968	Strand	-
Start	4859	End	8192
Name	OJ990409_03.9C10.C61.o1.tm	Method	TBLASTX:Maize
Start	7085	End	7538
GI	none	Score	190
Exons	7085..7522, 7086..7394, 7458..7538		

Seq. No.	31886	Seq. ID	OJ990409_03.9C10.C61
Gene No.	65968	Strand	-
Start	4859	End	8192
Name	OJ990409_03.9C10.C61.o1.tw	Method	TBLASTX:Wheat
Start	7415	End	7817
GI	none	Score	74
Exons	7415..7519, 7417..7521, 7418..7510, 7458..7520, 7492..7662, 7516..7758, 7521..7766, 7761..7817		

Seq. No.	31886	Seq. ID	OJ990409_03.9C10.C61
Gene No.	65968	Strand	-
Start	4859	End	8192
Name	OJ990409_03.9C10.C61.o2.tm	Method	TBLASTX:Maize
Start	7539	End	7763
GI	none	Score	175
Exons	7539..7763, 7540..7758, 7569..7763		

Seq. No.	31886	Seq. ID	OJ990409_03.9C10.C61
Gene No.	65968	Strand	-
Start	4859	End	8192
Name	OJ990409_03.9C10.C61.o3.ts	Method	TBLASTX:Soybean
Start	7614	End	7979
GI	none	Score	131
Exons	7614..7748, 7755..7979		

Seq. No.	31887	Seq. ID	OJ990409_03.9C10.C62
Gene No.	65969	Strand	+
Start	181	End	642
Name	OJ990409_03.9C10.C62.o1.gs	Method	GENSCAN
Start	181	End	642
GI	none	Score	.91
Exons	181..642		

Seq. No.	31888	Seq. ID	OJ990409_03.9C10.C64
Gene No.	65970	Strand	+
Start	49	End	153
Name	OJ990409_03.9C10.C64.o1.gs	Method	GENSCAN
Start	49	End	153
GI	none	Score	.8
Exons	49..153		

Seq. No.	31889	Seq. ID	OJ990409_03.9C10.C65
Gene No.	65971	Strand	-
Start	1	End	2965
Name	OJ990409_03.9C10.C65.o1.np	Method	AAT/NAP
Start	1	End	2965
GI	6466937	Score	960
Exons	1..34, 772..2445, 2940..2965		
GI Descrip.	(AC011621) putative retroelement pol polyprotein [Arabidopsis thaliana]		

Seq. No.	31889	Seq. ID	OJ990409_03.9C10.C65
Gene No.	65971	Strand	-
Start	1	End	2965
Name	OJ990409_03.9C10.C65.o1.gs	Method	GENSCAN
Start	417	End	2896
GI	none	Score	.44
Exons	417..645, 687..1408, 1880..2143, 2665..2896		

Seq. No.	31889	Seq. ID	OJ990409_03.9C10.C65
Gene No.	65971	Strand	-
Start	1	End	2965
Name	OJ990409_03.9C10.C65.o2.tm	Method	TBLASTX:Maize
Start	668	End	1279
GI	none	Score	81
Exons	668..733, 678..767, 682..774, 684..773, 779..919, 867..1058, 950..1279, 1101..1208		

Seq. No.	31889	Seq. ID	OJ990409_03.9C10.C65
Gene No.	65971	Strand	-
Start	1	End	2965
Name	OJ990409_03.9C10.C65.o2.tw	Method	TBLASTX:Wheat
Start	885	End	1252
GI	none	Score	148
Exons	885..1199, 911..1252, 952..1200, 959..1219		

Seq. No.	31889	Seq. ID	OJ990409_03.9C10.C65
Gene No.	65971	Strand	-
Start	1	End	2965
Name	OJ990409_03.9C10.C65.o1.tm	Method	TBLASTX:Maize
Start	1319	End	1954
GI	none	Score	310
Exons	1319..1954, 1320..1853, 1370..1954		

Seq. No.	31889	Seq. ID	OJ990409_03.9C10.C65
Gene No.	65971	Strand	-
Start	1	End	2965
Name	OJ990409_03.9C10.C65.o3.tw	Method	TBLASTX:Wheat
Start	1319	End	1699
GI	none	Score	69
Exons	1319..1699, 1320..1604		

Seq. No.	31889	Seq. ID	OJ990409_03.9C10.C65
Gene No.	65971	Strand	-
Start	1	End	2965
Name	OJ990409_03.9C10.C65.o1.ts	Method	TBLASTX:Soybean
Start	1550	End	1934

GI	none	Score	75
Exons	1550..1933, 1695..1934		

Seq. No.	31889	Seq. ID	OJ990409_03.9C10.C65
Gene No.	65971	Strand	-
Start	1	End	2965
Name	OJ990409_03.9C10.C65.o1.tw	Method	TBLASTX:Wheat
Start	1790	End	2221
GI	none	Score	131
Exons	1790..2221, 1794..2048, 1802..2176		

Seq. No.	31889	Seq. ID	OJ990409_03.9C10.C65
Gene No.	65971	Strand	-
Start	1	End	2965
Name	OJ990409_03.9C10.C65.o3.tm	Method	TBLASTX:Maize
Start	1955	End	2363
GI	none	Score	88
Exons	1955..2086, 1955..2191, 2198..2362, 2235..2363		

Seq. No.	31890	Seq. ID	OJ990409_03.9C10.C67
Gene No.	65972	Strand	-
Start	158	End	913
Name	OJ990409_03.9C10.C67.o1.gs	Method	GENSCAN
Start	158	End	833
GI	none	Score	.69
Exons	158..319, 406..588, 711..833		

Seq. No.	31890	Seq. ID	OJ990409_03.9C10.C67
Gene No.	65972	Strand	-
Start	158	End	913
Name	OJ990409_03.9C10.C67.o1.np	Method	AAT/NAP
Start	345	End	913
GI	3650031	Score	92
Exons	345..816, 872..913		
GI Descrip.	(AC005396) putative proline-rich protein [Arabidopsis thaliana]		

Seq. No.	31891	Seq. ID	OJ990409_03.9C10.C69
Gene No.	65973	Strand	-
Start	1	End	692
Name	OJ990409_03.9C10.C69.o1.np	Method	AAT/NAP
Start	1	End	692
GI	4680179	Score	555
Exons	1..692		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	31891	Seq. ID	OJ990409_03.9C10.C69
Gene No.	65973	Strand	-
Start	1	End	692
Name	OJ990409_03.9C10.C69.o1.tw	Method	TBLASTX:Wheat
Start	109	End	465
GI	none	Score	100
Exons	109..465, 175..453		

Seq. No.	31891	Seq. ID	OJ990409_03.9C10.C69
Gene No.	65973	Strand	-
Start	1	End	692
Name	OJ990409_03.9C10.C69.o1.gs	Method	GENSCAN

Start	144	End	663
GI	none	Score	.58
Exons	144..663		

Seq. No.	31891	Seq. ID	OJ990409_03.9C10.C69
Gene No.	65973	Strand	-
Start	1	End	692
Name	OJ990409_03.9C10.C69.o1.tm	Method	TBLASTX:Maize
Start	166	End	465
GI	none	Score	75
Exons	166..465, 362..451		

Seq. No.	31891	Seq. ID	OJ990409_03.9C10.C69
Gene No.	65973	Strand	-
Start	1	End	692
Name	OJ990409_03.9C10.C69.o2.tw	Method	TBLASTX:Wheat
Start	475	End	688
GI	none	Score	97
Exons	475..687, 476..688		

Seq. No.	31892	Seq. ID	OJ990409_03.9C10.C71
Gene No.	65974	Strand	+
Start	402	End	449
Name	OJ990409_03.9C10.C71.o1.gs	Method	GENSCAN
Start	402	End	449
GI	none	Score	.94
Exons	402..449		

Seq. No.	31893	Seq. ID	OJ990409_03.9C10.C73
Gene No.	65975	Strand	-
Start	46	End	174
Name	OJ990409_03.9C10.C73.o1.gs	Method	GENSCAN
Start	46	End	174
GI	none	Score	.72
Exons	46..174		

Seq. No.	31894	Seq. ID	OJ990409_03.9C10.C74
Gene No.	65976	Strand	+
Start	1	End	842
Name	OJ990409_03.9C10.C74.o1.np	Method	AAT/NAP
Start	1	End	738
GI	5042447	Score	251
Exons	1..309, 478..738		
GI Descrip.	(AC007789) putative polyprotein [Oryza sativa]		

Seq. No.	31894	Seq. ID	OJ990409_03.9C10.C74
Gene No.	65976	Strand	+
Start	1	End	842
Name	OJ990409_03.9C10.C74.o1.tw	Method	TBLASTX:Wheat
Start	1	End	308
GI	none	Score	64
Exons	1..153, 3..308, 3..242		

Seq. No.	31894	Seq. ID	OJ990409_03.9C10.C74
Gene No.	65976	Strand	+
Start	1	End	842
Name	OJ990409_03.9C10.C74.o1.gs	Method	GENSCAN

Start	82	End	842
GI	none	Score	.97
Exons	82..842		

Seq. No.	31895	Seq. ID	OJ990409_03.9C10.C76
Gene No.	65977	Strand	-
Start	433	End	1714
Name	OJ990409_03.9C10.C76.o1.gs	Method	GENSCAN
Start	433	End	1671
GI	none	Score	.85
Exons	433..1323, 1519..1671		

Seq. No.	31895	Seq. ID	OJ990409_03.9C10.C76
Gene No.	65977	Strand	-
Start	433	End	1714
Name	OJ990409_03.9C10.C76.o1.np	Method	AAT/NAP
Start	469	End	1714
GI	5091513	Score	843
Exons	469..1121, 1670..1714		
GI Descrip.	(AB023482) Hypothetical protein [Oryza sativa]		

Seq. No.	31895	Seq. ID	OJ990409_03.9C10.C76
Gene No.	65977	Strand	-
Start	433	End	1714
Name	OJ990409_03.9C10.C76.o1.gp	Method	AAT/GAP
Start	1237	End	1536
GI	uC-osf1cyp053g09b1	Score	494
Exons	1237..1536		
GI Descrip.	'4521193/dbj\|AB013450.1\|AB013450 1.0e-99 Oryza sativa DNA, similar sequence to Pib gene'		

Seq. No.	31896	Seq. ID	OJ990409_03.9C10.C77
Gene No.	65978	Strand	+
Start	1	End	422
Name	OJ990409_03.9C10.C77.o1.np	Method	AAT/NAP
Start	1	End	422
GI	5091513	Score	634
Exons	1..422		
GI Descrip.	(AB023482) Hypothetical protein [Oryza sativa]		

Seq. No.	31896	Seq. ID	OJ990409_03.9C10.C77
Gene No.	65978	Strand	+
Start	1	End	422
Name	OJ990409_03.9C10.C77.o1.gs	Method	GENSCAN
Start	33	End	361
GI	none	Score	.86
Exons	33..90, 92..361		

Seq. No.	31897	Seq. ID	OJ990409_03.9C10.C78
Gene No.	65979	Strand	+
Start	94	End	381
Name	OJ990409_03.9C10.C78.o1.gs	Method	GENSCAN
Start	94	End	381
GI	none	Score	.55
Exons	94..381		

Seq. No.	31897	Seq. ID	OJ990409_03.9C10.C78

Gene No.	65980	Strand	-
Start	517	End	720
Name	OJ990409_03.9C10.C78.o2.gs	Method	GENSCAN
Start	517	End	720
GI	none	Score	.59
Exons	517..720		

Seq. No.	31898	Seq. ID	OJ990409_03.9C10.C79
Gene No.	65981	Strand	+
Start	151	End	386
Name	OJ990409_03.9C10.C79.o1.gp	Method	AAT/GAP
Start	151	End	386
GI	3761181	Score	340
Exons	151..386		
GI Descrip.	4521193/dbj\|AB013450.1\|AB013450 1.0e-99 Oryza sativa DNA, similar sequence to Pib gene		

Seq. No.	31898	Seq. ID	OJ990409_03.9C10.C79
Gene No.	65982	Strand	-
Start	356	End	455
Name	OJ990409_03.9C10.C79.o1.gs	Method	GENSCAN
Start	356	End	455
GI	none	Score	.95
Exons	356..455		

Seq. No.	31899	Seq. ID	OJ990409_03.9C10.C80
Gene No.	65983	Strand	+
Start	283	End	754
Name	OJ990409_03.9C10.C80.o1.gs	Method	GENSCAN
Start	283	End	754
GI	none	Score	.56
Exons	283..332, 682..754		

Seq. No.	31900	Seq. ID	OJ990409_03.9C10.C81
Gene No.	65984	Strand	+
Start	382	End	1766
Name	OJ990409_03.9C10.C81.o1.gs	Method	GENSCAN
Start	382	End	1766
GI	none	Score	.55
Exons	382..573, 1623..1766		

Seq. No.	31901	Seq. ID	OJ990409_03.9C10.C84
Gene No.	65985	Strand	+
Start	501	End	751
Name	OJ990409_03.9C10.C84.o1.gp	Method	AAT/GAP
Start	501	End	751
GI	uC-osflcyp033a04b1	Score	437
Exons	501..751		
GI Descrip.	'6016845/dbj\|AP000570.1\|AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		

Seq. No.	31901	Seq. ID	OJ990409_03.9C10.C84
Gene No.	65985	Strand	+
Start	501	End	751
Name	OJ990409_03.9C10.C84.o1.gs	Method	GENSCAN
Start	606	End	671
GI	none	Score	.83

Exons	606..671		
Seq. No.	31901	Seq. ID	OJ990409_03.9C10.C84
Gene No.	65986	Strand	-
Start	429	End	751
Name	OJ990409_03.9C10.C84.o1.np	Method	AAT/NAP
Start	429	End	751
GI	4680186	Score	205
Exons	429..634, 699..751		
GI Descrip.	(AF111709) unknown [Oryza sativa subsp. indica]		
Seq. No.	31902	Seq. ID	OJ990409_03.9C10.C86
Gene No.	65987	Strand	-
Start	536	End	2283
Name	OJ990409_03.9C10.C86.o1.gs	Method	GENSCAN
Start	536	End	2283
GI	none	Score	.95
Exons	536..628, 653..819, 897..1476, 2152..2283		
Seq. No.	31903	Seq. ID	OJ990409_03.9C10.C87
Gene No.	65988	Strand	-
Start	789	End	1178
Name	OJ990409_03.9C10.C87.o1.gs	Method	GENSCAN
Start	789	End	1178
GI	none	Score	.44
Exons	789..834, 901..1178		
Seq. No.	31904	Seq. ID	OJ990409_03.9C10.C88
Gene No.	65989	Strand	+
Start	1	End	205
Name	OJ990409_03.9C10.C88.o1.np	Method	AAT/NAP
Start	1	End	205
GI	6907087	Score	103
Exons	1..205		
GI Descrip.	(AP001129) ESTs C72771(E2215),AU082313(E2215) correspond to a region of the predicted gene.; hypothetical protein [Oryza sativa]		
Seq. No.	31905	Seq. ID	OJ990409_03.9C10.C89
Gene No.	65990	Strand	+
Start	1	End	2001
Name	OJ990409_03.9C10.C89.o1.np	Method	AAT/NAP
Start	1	End	2001
GI	6063554	Score	356
Exons	1..187, 292..493, 1158..1189, 1828..2001		
GI Descrip.	(AP000615) ESTs AU075609(C63344),C71850(E0464),C98611(E0464) correspond to a region of the predicted gene.; hypothetical protein [Oryza sativa]		
Seq. No.	31905	Seq. ID	OJ990409_03.9C10.C89
Gene No.	65990	Strand	+
Start	1	End	2001
Name	OJ990409_03.9C10.C89.o1.gp	Method	AAT/GAP
Start	1141	End	1391
GI	101153_1.R1084	Score	393
Exons	1141..1391		
GI Descrip.	'5852170/emb\|AL117265.1\|OST17804 1.0e-115 Oryza sativa		

indica(GLA4) genomic DNA, chromosome 4, BAC clone:t17804'

Seq. No.	31905	Seq. ID	OJ990409_03.9C10.C89
Gene No.	65991	Strand	-
Start	76	End	1813
Name	OJ990409_03.9C10.C89.o1.gs	Method	GENSCAN
Start	76	End	1813
GI	none	Score	.68
Exons	76..728, 1732..1813		

Seq. No.	31906	Seq. ID	OJ990409_03.9C10.C90
Gene No.	65992	Strand	+
Start	1	End	242
Name	OJ990409_03.9C10.C90.o1.gp	Method	AAT/GAP
Start	1	End	242
GI	uC-osflcyp033a04b1	Score	410
Exons	1..242		
GI Descrip.	'6016845/dbj\|AP000570.1\|AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		

Seq. No.	31906	Seq. ID	OJ990409_03.9C10.C90
Gene No.	65993	Strand	-
Start	1	End	1303
Name	OJ990409_03.9C10.C90.o1.np	Method	AAT/NAP
Start	1	End	1303
GI	5852180	Score	61
Exons	1..144, 1273..1303		
GI Descrip.	(AL117265) zhb00010.1 [Oryza sativa]		

Seq. No.	31907	Seq. ID	OJ990409_03.9C10.C91
Gene No.	65994	Strand	+
Start	734	End	1411
Name	OJ990409_03.9C10.C91.o1.gs	Method	GENSCAN
Start	734	End	1411
GI	none	Score	.4
Exons	734..1411		

Seq. No.	31908	Seq. ID	OJ990409_03.9C10.C92
Gene No.	65995	Strand	+
Start	1	End	1735
Name	OJ990409_03.9C10.C92.o1.np	Method	AAT/NAP
Start	1	End	1735
GI	6063554	Score	158
Exons	1..25, 909..936, 1561..1735		
GI Descrip.	(AP000615) ESTs AU075609(C63344),C71850(E0464),C98611(E0464) correspond to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	31908	Seq. ID	OJ990409_03.9C10.C92
Gene No.	65995	Strand	+
Start	1	End	1735
Name	OJ990409_03.9C10.C92.o1.gs	Method	GENSCAN
Start	24	End	203
GI	none	Score	.76
Exons	24..203		

Seq. No.	31908	Seq. ID	OJ990409_03.9C10.C92

Gene No.	65996	Strand	-
Start	880	End	1548
Name	OJ990409_03.9C10.C92.o2.gs	Method	GENSCAN
Start	880	End	1548
GI	none	Score	.91
Exons	880..977, 1467..1548		

Seq. No.	31909	Seq. ID	OJ990409_03.9C10.C93
Gene No.	65997	Strand	-
Start	1	End	1692
Name	OJ990409_03.9C10.C93.o1.np	Method	AAT/NAP
Start	1	End	1692
GI	4680204	Score	627
Exons	1..58, 384..869, 963..1692		
GI Descrip.	(AF114171) hypothetical protein [Sorghum bicolor]		

Seq. No.	31909	Seq. ID	OJ990409_03.9C10.C93
Gene No.	65997	Strand	-
Start	1	End	1692
Name	OJ990409_03.9C10.C93.o1.gs	Method	GENSCAN
Start	42	End	1628
GI	none	Score	.54
Exons	42..438, 676..890, 963..1148, 1236..1628		

Seq. No.	31909	Seq. ID	OJ990409_03.9C10.C93
Gene No.	65997	Strand	-
Start	1	End	1692
Name	OJ990409_03.9C10.C93.o1.tw	Method	TBLASTX:Wheat
Start	1311	End	1650
GI	none	Score	85
Exons	1311..1343, 1347..1487, 1348..1428, 1482..1649, 1501..1650		

Seq. No.	31910	Seq. ID	OJ990409_03.9C10.C95
Gene No.	65998	Strand	-
Start	64	End	559
Name	OJ990409_03.9C10.C95.o1.np	Method	AAT/NAP
Start	64	End	559
GI	5295971	Score	446
Exons	64..559		
GI Descrip.	(AB026295) EST D24315(R1718) corresponds to a region of the predicted gene.; Similar to Tobacco DNA for retroviral-like transposon Tnt 1-94 (X13777) [Oryza sativa]		

Seq. No.	31910	Seq. ID	OJ990409_03.9C10.C95
Gene No.	65998	Strand	-
Start	64	End	559
Name	OJ990409_03.9C10.C95.o1.ts	Method	TBLASTX:Soybean
Start	88	End	501
GI	none	Score	110
Exons	88..501, 143..475		

Seq. No.	31910	Seq. ID	OJ990409_03.9C10.C95
Gene No.	65998	Strand	-
Start	64	End	559
Name	OJ990409_03.9C10.C95.o1.tc	Method	TBLASTX:Cress
Start	91	End	522
GI	none	Score	93

Exons	91..309, 95..301, 112..306, 346..459, 457..522		
Seq. No.	31910	Seq. ID	OJ990409_03.9C10.C95
Gene No.	65998	Strand	-
Start	64	End	559
Name	OJ990409_03.9C10.C95.o1.tm	Method	TBLASTX:Maize
Start	92	End	480
GI	none	Score	249
Exons	92..478, 94..480		
Seq. No.	31910	Seq. ID	OJ990409_03.9C10.C95
Gene No.	65998	Strand	-
Start	64	End	559
Name	OJ990409_03.9C10.C95.o1.gs	Method	GENSCAN
Start	96	End	522
GI	none	Score	.96
Exons	96..522		
Seq. No.	31910	Seq. ID	OJ990409_03.9C10.C95
Gene No.	65998	Strand	-
Start	64	End	559
Name	OJ990409_03.9C10.C95.o1.tw	Method	TBLASTX:Wheat
Start	121	End	513
GI	none	Score	51
Exons	121..300, 128..301, 337..513, 338..457		
Seq. No.	31911	Seq. ID	OJ990409_03.9C10.C97
Gene No.	65999	Strand	+
Start	626	End	979
Name	OJ990409_03.9C10.C97.o1.gs	Method	GENSCAN
Start	626	End	979
GI	none	Score	.95
Exons	626..979		
Seq. No.	31912	Seq. ID	OJ990409_03.9C10.C98
Gene No.	66000	Strand	+
Start	492	End	878
Name	OJ990409_03.9C10.C98.o1.gs	Method	GENSCAN
Start	492	End	878
GI	none	Score	.97
Exons	492..581, 834..878		
Seq. No.	31912	Seq. ID	OJ990409_03.9C10.C98
Gene No.	66001	Strand	+
Start	1311	End	1570
Name	OJ990409_03.9C10.C98.o1.gp	Method	AAT/GAP
Start	1311	End	1570
GI	61605_3.R1084	Score	370
Exons	1311..1570		
GI Descrip.	'1402920/emb\|CAA66965\| 2.0e-20 (X98321) peroxidase [Arabidopsis thaliana]'		
Seq. No.	31912	Seq. ID	OJ990409_03.9C10.C98
Gene No.	66002	Strand	-
Start	1485	End	1801
Name	OJ990409_03.9C10.C98.o2.gs	Method	GENSCAN
Start	1485	End	1801

GI	none	Score	.71
Exons	1485..1649, 1766..1801		

Seq. No.	31912	Seq. ID	OJ990409_03.9C10.C98
Gene No.	66003	Strand	-
Start	1958	End	2502
Name	OJ990409_03.9C10.C98.o1.np	Method	AAT/NAP
Start	1958	End	2502
GI	6063554	Score	131
Exons	1958..2131, 2457..2502		
GI Descrip.	(AP000615) ESTs AU075609(C63344),C71850(E0464),C98611(E0464) correspond to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	31913	Seq. ID	OJ990409_03.9C10.C99
Gene No.	66004	Strand	+
Start	60	End	377
Name	OJ990409_03.9C10.C99.o1.gs	Method	GENSCAN
Start	60	End	377
GI	none	Score	.51
Exons	60..377		

Seq. No.	31913	Seq. ID	OJ990409_03.9C10.C99
Gene No.	66005	Strand	-
Start	1	End	1611
Name	OJ990409_03.9C10.C99.o1.np	Method	AAT/NAP
Start	1	End	1611
GI	6063554	Score	124
Exons	1..248, 531..639, 1589..1611		
GI Descrip.	(AP000615) ESTs AU075609(C63344),C71850(E0464),C98611(E0464) correspond to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	31913	Seq. ID	OJ990409_03.9C10.C99
Gene No.	66005	Strand	-
Start	1	End	1611
Name	OJ990409_03.9C10.C99.o1.gp	Method	AAT/GAP
Start	1311	End	1400
GI	5867_1.R1084	Score	130
Exons	1311..1400		
GI Descrip.	'464986/sp\|P35132\|UBC9_ARATH 5.0e-58 UBIQUITIN-CONJUGATING ENZYME E2-17 KD 9 (UBIQUITIN-PROTEIN LIGASE 9) (UBIQUITIN CARRIER PROTEIN 9) (UBCAT4B) >gi_421857_pir__S32674 ubiquitin--protein ligase (EC 6.3.2.19) UBC9 - Arabidopsis thaliana >gi_297884_emb_CAA78714_ (Z14990) ubiquitin conjugating enzyme homolog [Arabidopsis thaliana] >gi_349211 (L00639) ubiquitin conjugating enzyme [Arabidopsis'		

Seq. No.	31914	Seq. ID	OJ990409_03.9C10.C100
Gene No.	66006	Strand	+
Start	1	End	1207
Name	OJ990409_03.9C10.C100.o1.np	Method	AAT/NAP
Start	1	End	1207
GI	2967837	Score	185
Exons	1..23, 871..1207		
GI Descrip.	(AF052641) cyst nematode resistance gene candidate [Triticum aestivum]		

Seq. No.	31914	Seq. ID	OJ990409_03.9C10.C100
Gene No.	66006	Strand	+
Start	1	End	1207
Name	OJ990409_03.9C10.C100.o1.gp	Method	AAT/GAP
Start	334	End	483
GI	LIB3477-003-P1-K1-E9	Score	155
Exons	334..483		
GI Descrip.	'2498586/sp\|Q40638\|MPO1_ORYSA 2.0e-24 MAJOR POLLEN ALLERGEN ORY S 1 PRECURSOR (ORY S I) >gi_1173557 (U31771) Ory s 1 [Oryza sativa]'		

Seq. No.	31914	Seq. ID	OJ990409_03.9C10.C100
Gene No.	66007	Strand	-
Start	2373	End	3891
Name	OJ990409_03.9C10.C100.o2.np	Method	AAT/NAP
Start	2373	End	3891
GI	1235664	Score	104
Exons	2373..2440, 3524..3891		
GI Descrip.	(U37936) novel calmodulin-like protein [Oryza sativa] gi\|3171148 (AF064456) calmodulin-like protein [Oryza sativa subsp. indica] gi\|6969639\|gb\|AAF33852.1\| (AF231026) calmodulin-like protein [Oryza sativa]		

Seq. No.	31915	Seq. ID	OJ990409_03.9C10.C101
Gene No.	66008	Strand	-
Start	662	End	1183
Name	OJ990409_03.9C10.C101.o1.gs	Method	GENSCAN
Start	662	End	1183
GI	none	Score	.99
Exons	662..1183		

Seq. No.	31916	Seq. ID	OJ990409_03.9C10.C102
Gene No.	66009	Strand	+
Start	3882	End	5013
Name	OJ990409_03.9C10.C102.o1.np	Method	AAT/NAP
Start	3882	End	5013
GI	6907086	Score	981
Exons	3882..4615, 4682..4732, 4795..5013		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		

Seq. No.	31916	Seq. ID	OJ990409_03.9C10.C102
Gene No.	66010	Strand	-
Start	44	End	1092
Name	OJ990409_03.9C10.C102.o1.gs	Method	GENSCAN
Start	44	End	1092
GI	none	Score	.84
Exons	44..197, 219..492, 513..1092		

Seq. No.	31916	Seq. ID	OJ990409_03.9C10.C102
Gene No.	66011	Strand	-
Start	2317	End	2884
Name	OJ990409_03.9C10.C102.o2.gs	Method	GENSCAN
Start	2317	End	2884
GI	none	Score	.83
Exons	2317..2363, 2830..2884		

Seq. No.	31916	Seq. ID	OJ990409_03.9C10.C102
Gene No.	66012	Strand	-
Start	3483	End	4626
Name	OJ990409_03.9C10.C102.o3.gs	Method	GENSCAN
Start	3483	End	4626
GI	none	Score	.61
Exons	3483..3577, 3707..3749, 4011..4037, 4217..4626		

Seq. No.	31917	Seq. ID	OJ990409_03.9C10.C103
Gene No.	66013	Strand	+
Start	1487	End	1673
Name	OJ990409_03.9C10.C103.o1.gs	Method	GENSCAN
Start	1487	End	1673
GI	none	Score	.62
Exons	1487..1553, 1600..1673		

Seq. No.	31917	Seq. ID	OJ990409_03.9C10.C103
Gene No.	66014	Strand	-
Start	2512	End	6154
Name	OJ990409_03.9C10.C103.o2.gs	Method	GENSCAN
Start	2512	End	6107
GI	none	Score	.75
Exons	2512..2878, 3414..3585, 3860..4189, 4609..4615, 4838..4909, 5016..6107		

Seq. No.	31917	Seq. ID	OJ990409_03.9C10.C103
Gene No.	66014	Strand	-
Start	2512	End	6154
Name	OJ990409_03.9C10.C103.o1.np	Method	AAT/NAP
Start	3812	End	6154
GI	5764395	Score	409
Exons	3812..3841, 5259..6154		
GI Descrip.	(AF159587) far-red impaired response protein [Arabidopsis thaliana]		

Seq. No.	31917	Seq. ID	OJ990409_03.9C10.C103
Gene No.	66014	Strand	-
Start	2512	End	6154
Name	OJ990409_03.9C10.C103.o2.tm	Method	TBLASTX:Maize
Start	5475	End	5834
GI	none	Score	67
Exons	5475..5594, 5476..5595, 5685..5834		

Seq. No.	31917	Seq. ID	OJ990409_03.9C10.C103
Gene No.	66014	Strand	-
Start	2512	End	6154
Name	OJ990409_03.9C10.C103.o1.ts	Method	TBLASTX:Soybean
Start	5488	End	5777
GI	none	Score	39
Exons	5488..5538, 5490..5534, 5541..5777, 5551..5736		

Seq. No.	31917	Seq. ID	OJ990409_03.9C10.C103
Gene No.	66014	Strand	-
Start	2512	End	6154
Name	OJ990409_03.9C10.C103.o1.tw	Method	TBLASTX:Wheat
Start	5559	End	5966
GI	none	Score	164

Exons	5559..5642, 5691..5966		
Seq. No.	31917	Seq. ID	OJ990409_03.9C10.C103
Gene No.	66014	Strand	-
Start	2512	End	6154
Name	OJ990409_03.9C10.C103.o1.tm	Method	TBLASTX:Maize
Start	5838	End	6146
GI	none	Score	116
Exons	5838..6146, 5911..6081		
Seq. No.	31918	Seq. ID	OJ990409_03.9C10.C107
Gene No.	66015	Strand	+
Start	285	End	489
Name	OJ990409_03.9C10.C107.o1.gs	Method	GENSCAN
Start	285	End	489
GI	none	Score	.4
Exons	285..489		
Seq. No.	31919	Seq. ID	OJ990409_03.9C10.C108
Gene No.	66016	Strand	+
Start	1	End	256
Name	OJ990409_03.9C10.C108.o1.np	Method	AAT/NAP
Start	1	End	256
GI	6721512	Score	46
Exons	1..256		
GI Descrip.	(AP001072) hypothetical protein [Oryza sativa]		
Seq. No.	31919	Seq. ID	OJ990409_03.9C10.C108
Gene No.	66017	Strand	+
Start	176	End	365
Name	OJ990409_03.9C10.C108.o1.gs	Method	GENSCAN
Start	176	End	365
GI	none	Score	.42
Exons	176..365		
Seq. No.	31920	Seq. ID	OJ990409_03.9C10.C109
Gene No.	66018	Strand	+
Start	1	End	749
Name	OJ990409_03.9C10.C109.o1.np	Method	AAT/NAP
Start	1	End	749
GI	6721512	Score	39
Exons	1..43, 392..543, 657..749		
GI Descrip.	(AP001072) hypothetical protein [Oryza sativa]		
Seq. No.	31921	Seq. ID	OJ990409_03.9C10.C110
Gene No.	66019	Strand	+
Start	537	End	646
Name	OJ990409_03.9C10.C110.o1.np	Method	AAT/NAP
Start	537	End	646
GI	4558564	Score	62
Exons	537..646		
GI Descrip.	(AC007138) predicted protein of unknown function [Arabidopsis thaliana]		
Seq. No.	31922	Seq. ID	OJ990409_03.9C10.C111
Gene No.	66020	Strand	+
Start	230	End	292

Name	OJ990409_03.9C10.C111.o1.gs	Method	GENSCAN
Start	230	End	292
GI	none	Score	.49
Exons	230..292		

Seq. No.	31922	Seq. ID	OJ990409_03.9C10.C111
Gene No.	66021	Strand	-
Start	1	End	557
Name	OJ990409_03.9C10.C111.o1.np	Method	AAT/NAP
Start	1	End	557
GI	6907086	Score	341
Exons	1..174, 241..557		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		

Seq. No.	31923	Seq. ID	OJ990909_04.9C10.C4
Gene No.	66022	Strand	
Start	2	End	522
Name	OJ990909_04.9C10.C4.o1.tc	Method	TBLASTX:Cress
Start	2	End	267
GI	none	Score	168
Exons	2..115, 2..118, 3..116, 151..201, 152..202, 190..264, 211..267		

Seq. No.	31923	Seq. ID	OJ990909_04.9C10.C4
Gene No.	66022	Strand	
Start	2	End	522
Name	OJ990909_04.9C10.C4.o1.tm	Method	TBLASTX:Maize
Start	18	End	508
GI	none	Score	38
Exons	18..89, 228..455, 228..437, 230..466, 230..454, 411..506, 433..507, 434..508, 435..506, 436..507		

Seq. No.	31923	Seq. ID	OJ990909_04.9C10.C4
Gene No.	66022	Strand	
Start	2	End	522
Name	OJ990909_04.9C10.C4.o1.ts	Method	TBLASTX:Soybean
Start	199	End	522
GI	none	Score	82
Exons	199..249, 201..251, 344..433, 346..435, 349..435, 350..436, 439..522, 440..520		

Seq. No.	31924	Seq. ID	OJ990909_04.9C10.C8
Gene No.	66023	Strand	
Start	37	End	230
Name	OJ990909_04.9C10.C8.o2.ts	Method	TBLASTX:Soybean
Start	37	End	230
GI	none	Score	280
Exons	37..228, 39..230, 40..228		

Seq. No.	31924	Seq. ID	OJ990909_04.9C10.C8
Gene No.	66024	Strand	
Start	231	End	480
Name	OJ990909_04.9C10.C8.o1.ts	Method	TBLASTX:Soybean
Start	231	End	480
GI	none	Score	125
Exons	231..353, 231..356, 232..354, 347..469, 347..478, 355..480, 355..480		

Seq. No.	31925	Seq. ID	OJ990909_04.9C10.C9
Gene No.	66025	Strand	+
Start	1	End	547
Name	OJ990909_04.9C10.C9.o1.gp	Method	AAT/GAP
Start	1	End	110
GI	688_1.R1084	Score	204
Exons	1..110		
GI Descrip.	'226661/prf\|\|1603356CM 6.0e-54 trnA intron ORF 109 [Oryza sativa]'		

Seq. No.	31925	Seq. ID	OJ990909_04.9C10.C9
Gene No.	66025	Strand	+
Start	1	End	547
Name	OJ990909_04.9C10.C9.o1.ts	Method	TBLASTX:Soybean
Start	1	End	227
GI	none	Score	283
Exons	1..225, 2..226, 3..227		

Seq. No.	31925	Seq. ID	OJ990909_04.9C10.C9
Gene No.	66025	Strand	+
Start	1	End	547
Name	OJ990909_04.9C10.C9.o1.tc	Method	TBLASTX:Cress
Start	1	End	547
GI	none	Score	212
Exons	1..135, 1..171, 3..137, 120..452, 160..426, 160..483, 162..431, 427..516, 428..517, 430..519, 518..547		

Seq. No.	31926	Seq. ID	OJ990909_04.9C10.C11
Gene No.	66026	Strand	+
Start	501	End	606
Name	OJ990909_04.9C10.C11.o1.tw	Method	TBLASTX:Wheat
Start	1	End	404
GI	none	Score	261
Exons	1..159, 2..160, 3..155, 145..168, 145..168, 299..388, 300..404		

Seq. No.	31926	Seq. ID	OJ990909_04.9C10.C11
Gene No.	66026	Strand	+
Start	501	End	606
Name	OJ990909_04.9C10.C11.o1.ts	Method	TBLASTX:Soybean
Start	1	End	576
GI	none	Score	171
Exons	1..105, 1..96, 2..112, 2..97, 110..166, 111..167, 111..167, 112..168, 300..326, 301..351, 351..413, 362..415, 363..413, 364..414, 416..508, 422..517, 426..500, 428..505, 497..550, 498..551, 511..564, 547..576		

Seq. No.	31926	Seq. ID	OJ990909_04.9C10.C11
Gene No.	66026	Strand	+
Start	501	End	606
Name	OJ990909_04.9C10.C11.o1.tc	Method	TBLASTX:Cress
Start	6	End	423
GI	none	Score	169
Exons	6..104, 7..108, 7..108, 8..145, 112..168, 114..167, 299..325, 300..338, 300..326, 324..413, 326..415, 327..413, 328..423, 329..415, 343..423		

Seq. No.	31926	Seq. ID	OJ990909_04.9C10.C11

Gene No.	66026	Strand	+
Start	501	End	606
Name	OJ990909_04.9C10.C11.o2.tm	Method	TBLASTX:Maize
Start	27	End	168
GI	none	Score	138
Exons	27..113, 27..107, 29..109, 94..159, 111..158, 144..167, 145..168		

Seq. No.	31926	Seq. ID	OJ990909_04.9C10.C11
Gene No.	66026	Strand	+
Start	501	End	606
Name	OJ990909_04.9C10.C11.o1.tm	Method	TBLASTX:Maize
Start	299	End	463
GI	none	Score	273
Exons	299..463, 302..451		

Seq. No.	31926	Seq. ID	OJ990909_04.9C10.C11
Gene No.	66026	Strand	+
Start	501	End	606
Name	OJ990909_04.9C10.C11.o2.gp	Method	AAT/GAP
Start	501	End	606
GI	688_1.R1084	Score	186
Exons	501..606		
GI Descrip.	'226661/prf\|\|1603356CM 6.0e-54 trnA intron ORF 109 [Oryza sativa]'		

Seq. No.	31927	Seq. ID	OJ990909_04.9C10.C13
Gene No.	66027	Strand	
Start	651	End	865
Name	OJ990909_04.9C10.C13.o1.ts	Method	TBLASTX:Soybean
Start	651	End	828
GI	none	Score	79
Exons	651..734, 653..733, 737..826, 743..823, 748..828		

Seq. No.	31927	Seq. ID	OJ990909_04.9C10.C13
Gene No.	66027	Strand	
Start	651	End	865
Name	OJ990909_04.9C10.C13.o1.tm	Method	TBLASTX:Maize
Start	665	End	865
GI	none	Score	104
Exons	665..739, 666..737, 666..740, 667..738, 734..865, 742..864		

Seq. No.	31928	Seq. ID	OJ990909_04.9C10.C14
Gene No.	66028	Strand	-
Start	1	End	171
Name	OJ990909_04.9C10.C14.o1.gp	Method	AAT/GAP
Start	1	End	171
GI	306_9.R1084	Score	333
Exons	1..171		
GI Descrip.	'287391/dbj\|D13111\|RICMT15 1.0e-178 Oryza sativa mitochondrial rpoB pseudogene'		

Seq. No.	31928	Seq. ID	OJ990909_04.9C10.C14
Gene No.	66028	Strand	-
Start	1	End	171
Name	OJ990909_04.9C10.C14.o1.tm	Method	TBLASTX:Maize
Start	1	End	152
GI	none	Score	152

Exons	1..84, 1..60, 2..151, 3..152		
Seq. No.	31928	Seq. ID	OJ990909_04.9C10.C14
Gene No.	66028	Strand	-
Start	1	End	171
Name	OJ990909_04.9C10.C14.o1.tw	Method	TBLASTX:Wheat
Start	1	End	95
GI	none	Score	146
Exons	1..81, 1..60, 2..94, 3..95		
Seq. No.	31928	Seq. ID	OJ990909_04.9C10.C14
Gene No.	66028	Strand	-
Start	1	End	171
Name	OJ990909_04.9C10.C14.o1.tc	Method	TBLASTX:Cress
Start	1	End	171
GI	none	Score	236
Exons	1..60, 2..169, 3..170, 130..171		
Seq. No.	31929	Seq. ID	OJ990909_04.9C10.C16
Gene No.	66031	Strand	-
Start	2420	End	3028
Name	OJ990909_04.9C10.C16.o5.tc	Method	TBLASTX:Cress
Start	21	End	369
GI	none	Score	129
Exons	21..116, 23..115, 104..190, 120..191, 220..273, 222..269, 243..284, 245..289, 275..304, 282..368, 284..367, 291..368, 292..369		
Seq. No.	31929	Seq. ID	OJ990909_04.9C10.C16
Gene No.	66031	Strand	-
Start	2420	End	3028
Name	OJ990909_04.9C10.C16.o1.tm	Method	TBLASTX:Maize
Start	24	End	535
GI	none	Score	301
Exons	24..215, 24..215, 26..220, 208..288, 222..284, 225..305, 234..533, 263..535		
Seq. No.	31929	Seq. ID	OJ990909_04.9C10.C16
Gene No.	66031	Strand	-
Start	2420	End	3028
Name	OJ990909_04.9C10.C16.o3.ts	Method	TBLASTX:Soybean
Start	747	End	991
GI	none	Score	199
Exons	747..878, 747..884, 748..879, 868..924, 869..922, 931..990, 931..990, 932..991		
Seq. No.	31929	Seq. ID	OJ990909_04.9C10.C16
Gene No.	66031	Strand	-
Start	2420	End	3028
Name	OJ990909_04.9C10.C16.o1.tc	Method	TBLASTX:Cress
Start	1010	End	1567
GI	none	Score	80
Exons	1010..1039, 1038..1127, 1041..1130, 1074..1397, 1105..1398, 1126..1395, 1131..1397, 1386..1565, 1393..1566, 1394..1567		
Seq. No.	31929	Seq. ID	OJ990909_04.9C10.C16
Gene No.	66031	Strand	-

Start	2420	End	3028
Name	OJ990909_04.9C10.C16.o1.tw	Method	TBLASTX:Wheat
Start	1140	End	3028
GI	none	Score	161
Exons	1140..1220, 2501..2599, 2501..2596, 2600..2638, 2602..2637, 2661..2708, 2669..2701, 2686..2862, 2686..2859, 2687..2860, 2691..2861, 2940..2963, 2940..2963, 2948..3028, 2953..3027		

Seq. No.	31929	Seq. ID	OJ990909_04.9C10.C16
Gene No.	66031	Strand	-
Start	2420	End	3028
Name	OJ990909_04.9C10.C16.o1.ts	Method	TBLASTX:Soybean
Start	1330	End	1966
GI	none	Score	367
Exons	1330..1590, 1332..1574, 1566..1694, 1569..1703, 1573..1719, 1576..1698, 1688..1894, 1689..1880, 1696..1884, 1836..1964, 1879..1965, 1880..1966		

Seq. No.	31929	Seq. ID	OJ990909_04.9C10.C16
Gene No.	66031	Strand	-
Start	2420	End	3028
Name	OJ990909_04.9C10.C16.o4.tc	Method	TBLASTX:Cress
Start	2065	End	2415
GI	none	Score	40
Exons	2065..2100, 2071..2100, 2072..2104, 2076..2189, 2088..2198, 2101..2199, 2101..2214, 2114..2215, 2162..2299, 2218..2298, 2250..2306, 2258..2299, 2301..2414, 2301..2408, 2302..2415		

Seq. No.	31929	Seq. ID	OJ990909_04.9C10.C16
Gene No.	66031	Strand	-
Start	2420	End	3028
Name	OJ990909_04.9C10.C16.o2.ts	Method	TBLASTX:Soybean
Start	2218	End	2998
GI	none	Score	133
Exons	2218..2334, 2219..2299, 2250..2306, 2313..2342, 2325..2378, 2338..2391, 2339..2392, 2381..2473, 2384..2461, 2388..2462, 2389..2463, 2474..2527, 2474..2524, 2475..2525, 2476..2538, 2476..2526, 2538..2579, 2543..2593, 2563..2589, 2658..2702, 2661..2735, 2669..2734, 2734..2859, 2741..2860, 2745..2858, 2749..2859, 2940..2996, 2940..2996, 2941..2997, 2942..2998		

Seq. No.	31929	Seq. ID	OJ990909_04.9C10.C16
Gene No.	66031	Strand	-
Start	2420	End	3028
Name	OJ990909_04.9C10.C16.o3.tc	Method	TBLASTX:Cress
Start	2417	End	3027
GI	none	Score	199
Exons	2417..2560, 2420..2563, 2493..2579, 2552..2596, 2563..2595, 2564..2599, 2600..2638, 2602..2637, 2661..2708, 2664..2711, 2677..2715, 2687..2839, 2687..2839, 2691..2846, 2700..2846, 2839..2859, 2941..2973, 2942..2977, 2948..3022, 2949..3023, 2949..3026, 2962..3027		

Seq. No.	31929	Seq. ID	OJ990909_04.9C10.C16
Gene No.	66031	Strand	-
Start	2420	End	3028
Name	OJ990909_04.9C10.C16.o3.gp	Method	AAT/GAP

Start	2420	End	2859
GI	2669_1.R1084	Score	670
Exons	2420..2859		
GI Descrip.	'3914470/sp\|Q40070\|PSBR_HORVU 8.0e-26 PHOTOSYSTEM II 10 KD POLYPEPTIDE PRECURSOR >gi_1321868_emb_CAA66373_ (X97771) 10kD PSII protein [Hordeum vulgare]'		

Seq. No.	31929	Seq. ID	OJ990909_04.9C10.C16
Gene No.	66031	Strand	-
Start	2420	End	3028
Name	OJ990909_04.9C10.C16.o2.tm	Method	TBLASTX:Maize
Start	2426	End	2599
GI	none	Score	285
Exons	2426..2599, 2438..2596		

Seq. No.	31929	Seq. ID	OJ990909_04.9C10.C16
Gene No.	66031	Strand	-
Start	2420	End	3028
Name	OJ990909_04.9C10.C16.o4.gp	Method	AAT/GAP
Start	2631	End	2859
GI	2669_1.R1084	Score	355
Exons	2631..2859		
GI Descrip.	'3914470/sp\|Q40070\|PSBR_HORVU 8.0e-26 PHOTOSYSTEM II 10 KD POLYPEPTIDE PRECURSOR >gi_1321868_emb_CAA66373_ (X97771) 10kD PSII protein [Hordeum vulgare]'		

Seq. No.	31929	Seq. ID	OJ990909_04.9C10.C16
Gene No.	66031	Strand	-
Start	2420	End	3028
Name	OJ990909_04.9C10.C16.o3.tm	Method	TBLASTX:Maize
Start	2662	End	3028
GI	none	Score	83
Exons	2662..2730, 2663..2740, 2664..2735, 2733..2819, 2737..2817, 2940..2963, 2949..3014, 2950..2997, 2995..3024, 2999..3028, 2999..3028		

Seq. No.	31930	Seq. ID	OJ990909_04.9C10.C17
Gene No.	66032	Strand	+
Start	2439	End	2873
Name	OJ990909_04.9C10.C17.o1.gp	Method	AAT/GAP
Start	2439	End	2873
GI	5886_1.R1084	Score	840
Exons	2439..2873		
GI Descrip.	'11957/emb\|X15901\|CHOSXX 0.0e+00 Rice complete chloroplast genome'		

Seq. No.	31930	Seq. ID	OJ990909_04.9C10.C17
Gene No.	66033	Strand	-
Start	3020	End	3461
Name	OJ990909_04.9C10.C17.o3.tw	Method	TBLASTX:Wheat
Start	1	End	122
GI	none	Score	205
Exons	1..120, 1..120, 2..121, 3..122, 3..122		

Seq. No.	31930	Seq. ID	OJ990909_04.9C10.C17
Gene No.	66033	Strand	-
Start	3020	End	3461

Name	OJ990909_04.9C10.C17.o3.tm	Method	TBLASTX:Maize
Start	3	End	353
GI	none	Score	206
Exons	3..140, 13..141, 13..147, 15..149, 56..337, 138..344, 138..353, 139..348		

Seq. No.	31930	Seq. ID	OJ990909_04.9C10.C17
Gene No.	66033	Strand	-
Start	3020	End	3461
Name	OJ990909_04.9C10.C17.o1.tw	Method	TBLASTX:Wheat
Start	123	End	342
GI	none	Score	353
Exons	123..341, 123..341, 124..342		

Seq. No.	31930	Seq. ID	OJ990909_04.9C10.C17
Gene No.	66033	Strand	-
Start	3020	End	3461
Name	OJ990909_04.9C10.C17.o6.tc	Method	TBLASTX:Cress
Start	290	End	795
GI	none	Score	55
Exons	290..337, 290..328, 385..492, 389..466, 400..492, 449..643, 467..646, 468..644, 679..729, 680..730, 718..792, 739..795		

Seq. No.	31930	Seq. ID	OJ990909_04.9C10.C17
Gene No.	66033	Strand	-
Start	3020	End	3461
Name	OJ990909_04.9C10.C17.o10.ts	Method	TBLASTX:Soybean
Start	727	End	1050
GI	none	Score	82
Exons	727..777, 729..779, 874..963, 877..963, 878..964, 967..1050, 968..1048		

Seq. No.	31930	Seq. ID	OJ990909_04.9C10.C17
Gene No.	66033	Strand	-
Start	3020	End	3461
Name	OJ990909_04.9C10.C17.o4.tm	Method	TBLASTX:Maize
Start	756	End	1036
GI	none	Score	367
Exons	756..983, 756..965, 758..994, 758..982, 939..1034, 961..1035, 962..1036, 964..1035		

Seq. No.	31930	Seq. ID	OJ990909_04.9C10.C17
Gene No.	66033	Strand	-
Start	3020	End	3461
Name	OJ990909_04.9C10.C17.o5.tm	Method	TBLASTX:Maize
Start	2489	End	2759
GI	none	Score	256
Exons	2489..2710, 2489..2602, 2490..2711, 2608..2658, 2611..2658, 2700..2759, 2700..2759		

Seq. No.	31930	Seq. ID	OJ990909_04.9C10.C17
Gene No.	66033	Strand	-
Start	3020	End	3461
Name	OJ990909_04.9C10.C17.o9.ts	Method	TBLASTX:Soybean
Start	2830	End	3388
GI	none	Score	168
Exons	2830..3066, 2842..3072, 2849..3073, 2888..3073, 3205..3378,		

3211..3378, 3212..3385, 3233..3388

Seq. No.	31930	Seq. ID	OJ990909_04.9C10.C17
Gene No.	66033	Strand	-
Start	3020	End	3461
Name	OJ990909_04.9C10.C17.o7.tm	Method	TBLASTX:Maize
Start	2970	End	3253
GI	none	Score	175
Exons	2970..3080, 2970..3086, 2971..3081, 3008..3100, 3092..3157, 3097..3162, 3114..3179, 3133..3171, 3174..3200, 3175..3201, 3197..3253, 3208..3252, 3212..3253		

Seq. No.	31930	Seq. ID	OJ990909_04.9C10.C17
Gene No.	66033	Strand	-
Start	3020	End	3461
Name	OJ990909_04.9C10.C17.o2.gp	Method	AAT/GAP
Start	3020	End	3461
GI	LIB3431-005-P1-N1-A5	Score	869
Exons	3020..3461		
GI Descrip.	'131251/sp\|P12094\|PSBA_ORYSA 8.0e-56 PHOSPHOSYSTEM Q(B) PROTEIN (32 KD THYLAKOID MEMBRANE PROTEIN) (PHOTOSYSTEM II PROTEIN D1) >gi_72661_pir__FMRZ32 photosystem II protein D1 precursor - rice chloroplast >gi_11958_emb_CAA34007_ (X15901) PSII 32kDa protein [Oryza sativa] >gi_343212 (M36191) Q-B protein (psbA) [Oryza sativa] >gi_226249_prf__1503143A psbA gene [Oryza sativa] >gi_226406_prf__15'		

Seq. No.	31930	Seq. ID	OJ990909_04.9C10.C17
Gene No.	66034	Strand	
Start	4187	End	4678
Name	OJ990909_04.9C10.C17.o1.tc	Method	TBLASTX:Cress
Start	4187	End	4678
GI	none	Score	455
Exons	4187..4678, 4188..4604, 4348..4674		

Seq. No.	31930	Seq. ID	OJ990909_04.9C10.C17
Gene No.	66034	Strand	
Start	4187	End	4678
Name	OJ990909_04.9C10.C17.o6.ts	Method	TBLASTX:Soybean
Start	4274	End	4516
GI	none	Score	315
Exons	4274..4516, 4275..4514, 4340..4516		

Seq. No.	31930	Seq. ID	OJ990909_04.9C10.C17
Gene No.	66035	Strand	
Start	4698	End	9524
Name	OJ990909_04.9C10.C17.o5.tc	Method	TBLASTX:Cress
Start	4698	End	5150
GI	none	Score	465
Exons	4698..5150, 4757..5035, 5075..5149		

Seq. No.	31930	Seq. ID	OJ990909_04.9C10.C17
Gene No.	66035	Strand	
Start	4698	End	9524
Name	OJ990909_04.9C10.C17.o2.ts	Method	TBLASTX:Soybean
Start	4769	End	9477
GI	none	Score	425

Exons	4769..4909, 8976..9476, 8976..9476, 9052..9477		
Seq. No.	31930	Seq. ID	OJ990909_04.9C10.C17
Gene No.	66035	Strand	
Start	4698	End	9524
Name	OJ990909_04.9C10.C17.o6.tm	Method	TBLASTX:Maize
Start	4784	End	9524
GI	none	Score	65
Exons	4784..4894, 9081..9236, 9082..9222, 9330..9524, 9331..9468		
Seq. No.	31930	Seq. ID	OJ990909_04.9C10.C17
Gene No.	66035	Strand	
Start	4698	End	9524
Name	OJ990909_04.9C10.C17.o4.ts	Method	TBLASTX:Soybean
Start	4911	End	5268
GI	none	Score	426
Exons	4911..5267, 4927..5268, 4961..5266		
Seq. No.	31930	Seq. ID	OJ990909_04.9C10.C17
Gene No.	66035	Strand	
Start	4698	End	9524
Name	OJ990909_04.9C10.C17.o8.tc	Method	TBLASTX:Cress
Start	5325	End	5653
GI	none	Score	278
Exons	5325..5639, 5339..5638, 5588..5653		
Seq. No.	31930	Seq. ID	OJ990909_04.9C10.C17
Gene No.	66035	Strand	
Start	4698	End	9524
Name	OJ990909_04.9C10.C17.o5.ts	Method	TBLASTX:Soybean
Start	5346	End	5632
GI	none	Score	269
Exons	5346..5630, 5346..5627, 5348..5632		
Seq. No.	31930	Seq. ID	OJ990909_04.9C10.C17
Gene No.	66035	Strand	
Start	4698	End	9524
Name	OJ990909_04.9C10.C17.o1.ts	Method	TBLASTX:Soybean
Start	7225	End	8179
GI	none	Score	72
Exons	7225..7314, 7226..7261, 7312..7512, 7319..7513, 7322..7516, 7511..7675, 7516..7695, 7555..7701, 7796..8062, 7808..8179, 7882..8178, 8096..8179		
Seq. No.	31930	Seq. ID	OJ990909_04.9C10.C17
Gene No.	66035	Strand	
Start	4698	End	9524
Name	OJ990909_04.9C10.C17.o7.tc	Method	TBLASTX:Cress
Start	7544	End	8181
GI	none	Score	153
Exons	7544..7675, 7553..7666, 7555..7713, 7835..7912, 7848..7910, 7951..8181, 7952..8179, 7999..8181		
Seq. No.	31930	Seq. ID	OJ990909_04.9C10.C17
Gene No.	66035	Strand	
Start	4698	End	9524
Name	OJ990909_04.9C10.C17.o2.tm	Method	TBLASTX:Maize

Start	8325	End	8776
GI	none	Score	585
Exons	8325..8774, 8352..8774, 8354..8776, 8621..8776		

Seq. No.	31930	Seq. ID	OJ990909_04.9C10.C17
Gene No.	66035	Strand	
Start	4698	End	9524
Name	OJ990909_04.9C10.C17.o3.tc	Method	TBLASTX:Cress
Start	8397	End	8855
GI	none	Score	349
Exons	8397..8855, 8500..8853		

Seq. No.	31930	Seq. ID	OJ990909_04.9C10.C17
Gene No.	66035	Strand	
Start	4698	End	9524
Name	OJ990909_04.9C10.C17.o7.ts	Method	TBLASTX:Soybean
Start	8442	End	8696
GI	none	Score	219
Exons	8442..8678, 8445..8696, 8450..8680, 8506..8694		

Seq. No.	31930	Seq. ID	OJ990909_04.9C10.C17
Gene No.	66035	Strand	
Start	4698	End	9524
Name	OJ990909_04.9C10.C17.o2.tc	Method	TBLASTX:Cress
Start	8907	End	9446
GI	none	Score	345
Exons	8907..9350, 8908..9357, 8952..9365, 8974..9354, 9071..9361, 9336..9446		

Seq. No.	31930	Seq. ID	OJ990909_04.9C10.C17
Gene No.	66036	Strand	
Start	9447	End	9753
Name	OJ990909_04.9C10.C17.o10.tc	Method	TBLASTX:Cress
Start	9447	End	9728
GI	none	Score	206
Exons	9447..9608, 9448..9606, 9607..9720, 9608..9721, 9608..9721, 9615..9728, 9654..9728		

Seq. No.	31930	Seq. ID	OJ990909_04.9C10.C17
Gene No.	66036	Strand	
Start	9447	End	9753
Name	OJ990909_04.9C10.C17.o8.ts	Method	TBLASTX:Soybean
Start	9478	End	9753
GI	none	Score	291
Exons	9478..9753, 9479..9574, 9510..9746		

Seq. No.	31930	Seq. ID	OJ990909_04.9C10.C17
Gene No.	66037	Strand	
Start	9754	End	11054
Name	OJ990909_04.9C10.C17.o3.ts	Method	TBLASTX:Soybean
Start	9754	End	11054
GI	none	Score	106
Exons	9754..9897, 9760..9894, 9771..9896, 9896..9937, 9897..9941, 9979..10257, 9989..10270, 9990..10292, 10330..10383, 10333..10377, 10410..10445, 10702..11043, 10703..11044, 10821..11054		

Seq. No.	31930	Seq. ID	OJ990909_04.9C10.C17
Gene No.	66037	Strand	
Start	9754	End	11054
Name	OJ990909_04.9C10.C17.o4.tc	Method	TBLASTX:Cress
Start	9754	End	10271
GI	none	Score	158
Exons	9754..9897, 9756..9896, 9897..9914, 9984..10073, 9995..10072, 10067..10270, 10068..10271, 10068..10271		

Seq. No.	31930	Seq. ID	OJ990909_04.9C10.C17
Gene No.	66037	Strand	
Start	9754	End	11054
Name	OJ990909_04.9C10.C17.o1.tm	Method	TBLASTX:Maize
Start	10061	End	10508
GI	none	Score	615
Exons	10061..10120, 10090..10506, 10091..10507, 10092..10508		

Seq. No.	31930	Seq. ID	OJ990909_04.9C10.C17
Gene No.	66037	Strand	
Start	9754	End	11054
Name	OJ990909_04.9C10.C17.o2.tw	Method	TBLASTX:Wheat
Start	10278	End	10514
GI	none	Score	65
Exons	10278..10322, 10278..10322, 10321..10374, 10322..10375, 10326..10376, 10332..10379, 10378..10467, 10388..10459, 10459..10512, 10463..10513, 10463..10513, 10467..10514		

Seq. No.	31930	Seq. ID	OJ990909_04.9C10.C17
Gene No.	66037	Strand	
Start	9754	End	11054
Name	OJ990909_04.9C10.C17.o9.tc	Method	TBLASTX:Cress
Start	10720	End	11045
GI	none	Score	309
Exons	10720..11043, 10720..10755, 10721..11044, 10815..11045, 10821..11045		

Seq. No.	31931	Seq. ID	OJ990909_04.9C10.C18
Gene No.	66038	Strand	+
Start	2696	End	3068
Name	OJ990909_04.9C10.C18.o2.gp	Method	AAT/GAP
Start	2696	End	3068
GI	LIB3431-005-P1-N1-A5	Score	695
Exons	2696..3068		
GI Descrip.	'131251/sp\|P12094\|PSBA_ORYSA 8.0e-56 PHOTOSYSTEM Q(B) PROTEIN (32 KD THYLAKOID MEMBRANE PROTEIN) (PHOTOSYSTEM II PROTEIN D1) >gi_72661_pir__FMRZ32 photosystem II protein D1 precursor - rice chloroplast >gi_11958_emb_CAA34007_ (X15901) PSII 32kDa protein [Oryza sativa] >gi_343212 (M36191) Q-B protein (psbA) [Oryza sativa] >gi_226249_prf__1503143A psbA gene [Oryza sativa] >gi_226406_prf__15'		

Seq. No.	31931	Seq. ID	OJ990909_04.9C10.C18
Gene No.	66039	Strand	-
Start	543	End	3110
Name	OJ990909_04.9C10.C18.o1.tc	Method	TBLASTX:Cress
Start	1	End	1824
GI	none	Score	169

Exons	1..144, 1..150, 2..151, 1120..1344, 1139..1546, 1140..1598, 1600..1701, 1602..1823, 1602..1823, 1681..1824, 1750..1824		
Seq. No.	31931	Seq. ID	OJ990909_04.9C10.C18
Gene No.	66039	Strand	-
Start	543	End	3110
Name	OJ990909_04.9C10.C18.o2.ts	Method	TBLASTX:Soybean
Start	1	End	1137
GI	none	Score	222
Exons	1..249, 2..151, 4..243, 185..244, 324..359, 360..395, 411..449, 607..690, 613..687, 782..850, 784..816, 882..914, 884..919, 967..1029, 968..1006, 1014..1064, 1015..1137		
Seq. No.	31931	Seq. ID	OJ990909_04.9C10.C18
Gene No.	66039	Strand	-
Start	543	End	3110
Name	OJ990909_04.9C10.C18.o1.gp	Method	AAT/GAP
Start	543	End	745
GI	6012822	Score	337
Exons	543..745		
GI Descrip.	11957/emb\|X15901\|CHOSXX 1.0e-52 Rice complete chloroplast genome		
Seq. No.	31931	Seq. ID	OJ990909_04.9C10.C18
Gene No.	66039	Strand	-
Start	543	End	3110
Name	OJ990909_04.9C10.C18.o1.ts	Method	TBLASTX:Soybean
Start	1215	End	3110
GI	none	Score	405
Exons	1215..1598, 1217..1546, 1288..1593, 1594..1701, 1604..1699, 1605..2876, 1633..2877, 2144..2878, 2359..2883, 3015..3110		
Seq. No.	31931	Seq. ID	OJ990909_04.9C10.C18
Gene No.	66039	Strand	-
Start	543	End	3110
Name	OJ990909_04.9C10.C18.o2.tc	Method	TBLASTX:Cress
Start	1935	End	2390
GI	none	Score	138
Exons	1935..2090, 1938..2315, 1942..2316, 2326..2388, 2328..2390		
Seq. No.	31931	Seq. ID	OJ990909_04.9C10.C18
Gene No.	66039	Strand	-
Start	543	End	3110
Name	OJ990909_04.9C10.C18.o1.tm	Method	TBLASTX:Maize
Start	2835	End	3110
GI	none	Score	58
Exons	2835..2891, 2835..2876, 2836..2880, 2887..2913, 2888..2914, 2909..2974, 2917..2955, 2926..2991, 2931..2996, 2980..3060, 2988..3110, 3002..3109		
Seq. No.	31932	Seq. ID	OJ990909_04.9C10.C19
Gene No.	66040	Strand	+
Start	4722	End	4783
Name	OJ990909_04.9C10.C19.o2.gp	Method	AAT/GAP
Start	4722	End	4783
GI	56420_1.R1084	Score	88
Exons	4722..4783		
GI Descrip.	'2979562 2.0e-16 (AC003680) unknown protein [Arabidopsis		

thaliana] >gi_3386623 (AC004665) unknown protein [Arabidopsis thaliana]'

Seq. No.	31932	Seq. ID	OJ990909_04.9C10.C19
Gene No.	66041	Strand	+
Start	11612	End	12341
Name	OJ990909_04.9C10.C19.o5.gp	Method	AAT/GAP
Start	11612	End	12341
GI	24824_1.R1084	Score	1379
Exons	11612..12341		
GI Descrip.	'476752 5.0e-87 (L24073) rubisco large subunit [Oryza sativa] >gi_1583954_prf__2121489A RuBisCO:SUBUNIT=large:ISOTYPE=truncated [Oryza sativa]'		

Seq. No.	31932	Seq. ID	OJ990909_04.9C10.C19
Gene No.	66042	Strand	+
Start	12438	End	13263
Name	OJ990909_04.9C10.C19.o6.gp	Method	AAT/GAP
Start	12438	End	13263
GI	14384_1.R1084	Score	1358
Exons	12438..13149, 13235..13263		
GI Descrip.	'5881726/dbj\|BAA84417.1\| 3.0e-24 (AP000423) RNA polymerase alpha subunit [Arabidopsis thaliana]'		

Seq. No.	31932	Seq. ID	OJ990909_04.9C10.C19
Gene No.	66043	Strand	+
Start	15079	End	15702
Name	OJ990909_04.9C10.C19.o7.gp	Method	AAT/GAP
Start	15079	End	15702
GI	7528_2.R1084	Score	1143
Exons	15079..15702		
GI Descrip.	'140291/sp\|P12206\|YCF4_ORYSA 7.0e-68 HYPOTHETICAL 21.5 KD PROTEIN (ORF 185) >gi_82541_pir__S05116 hypothetical protein 185 - rice chloroplast >gi_11997_emb_CAA33958_ (X15901) ORF185 [Oryza sativa] >gi_226618_prf__1603356AQ ORF 185 [Oryza sativa]'		

Seq. No.	31932	Seq. ID	OJ990909_04.9C10.C19
Gene No.	66044	Strand	+
Start	17113	End	17554
Name	OJ990909_04.9C10.C19.o9.gp	Method	AAT/GAP
Start	17113	End	17554
GI	uC-osf1M202092b08b1	Score	831
Exons	17113..17554		
GI Descrip.	'118048/sp\|P07888\|CYF_ORYSA 5.0e-65 APOCYTOCHROME F PRECURSOR >gi_65615_pir__CFRZ plastoquinol--plastocyanin reductase (EC 1.10.99.1) cytochrome f precursor - rice chloroplast >gi_12000_emb_CAA33961_ (X15901) cytochrome f [Oryza sativa] >gi_226621_prf__1603356AU cytochrome f [Oryza sativa]'		

Seq. No.	31932	Seq. ID	OJ990909_04.9C10.C19
Gene No.	66045	Strand	+
Start	22119	End	22641
Name	OJ990909_04.9C10.C19.o10.gp	Method	AAT/GAP
Start	22119	End	22641
GI	uC-osf1m202104g03b1	Score	1026
Exons	22119..22641		
GI Descrip.	'131211/sp\|P19443\|PSAJ_MAIZE 6.0e-10 PHOTOSYSTEM I REACTION		

CENTRE SUBUNIT IX (PSI-J) >gi_1363533_pir__S58571 photosystem I protein psaJ - maize chloroplast >gi_552734 (J04502) ORF42 [Zea mays] >gi_902241_emb_CAA60305_ (X86563) psaJ [Zea mays]'

Seq. No.	31932	Seq. ID	OJ990909_04.9C10.C19
Gene No.	66046	Strand	+
Start	26186	End	26314
Name	OJ990909_04.9C10.C19.o12.gp	Method	AAT/GAP
Start	26186	End	26314
GI	LIB3432-057-P1-K1-A8	Score	169
Exons	26186..26314		
GI Descrip.	'11957/emb\|X15901\|CHOSXX 7.0e-52 Rice complete chloroplast genome'		

Seq. No.	31932	Seq. ID	OJ990909_04.9C10.C19
Gene No.	66047	Strand	+
Start	26864	End	27416
Name	OJ990909_04.9C10.C19.o13.gp	Method	AAT/GAP
Start	26864	End	27416
GI	2896_1.R1084	Score	1023
Exons	26864..27416		
GI Descrip.	'131271/sp\|P12157\|PSBB_ORYSA 2.0e-88 PHOTOSYSTEM II P680 CHLOROPHYLL A APOPROTEIN (CP-47 PROTEIN) >gi_72705_pir__QJRZ6A photosystem II chlorophyll a-binding protein psbB - rice chloroplast >gi_12013_emb_CAA33973_ (X15901) PSII 47kDa protein [Oryza sativa] >gi_226634_prf__1603356BH photosystem II 47kD protein [Oryza sativa]'		

Seq. No.	31932	Seq. ID	OJ990909_04.9C10.C19
Gene No.	66048	Strand	+
Start	29473	End	29979
Name	OJ990909_04.9C10.C19.o16.gp	Method	AAT/GAP
Start	29473	End	29979
GI	uC-osflcyp011b01b1	Score	987
Exons	29473..29979		
GI Descrip.	'343210 5.0e-78 (M35995) apocytochrome b6 (alt.) [Oryza sativa] >gi_226762_prf__1604469A cytochrome b6 [Oryza sativa]'		

Seq. No.	31932	Seq. ID	OJ990909_04.9C10.C19
Gene No.	66049	Strand	+
Start	35999	End	37103
Name	OJ990909_04.9C10.C19.o21.gp	Method	AAT/GAP
Start	35999	End	37103
GI	2291_1.R1084	Score	2153
Exons	35999..37103		
GI Descrip.	'133936/sp\|P12146\|RR3_ORYSA 3.0e-27 CHLOROPLAST 30S RIBOSOMAL PROTEIN S3 >gi_70867_pir__R3RZ3 ribosomal protein S3 - rice chloroplast >gi_12025_emb_CAA33934_ (X15901) ribosomal protein S3 [Oryza sativa] >gi_226646_prf__1603356BW ribosomal protein S3 [Oryza sativa]'		

Seq. No.	31932	Seq. ID	OJ990909_04.9C10.C19
Gene No.	66050	Strand	+
Start	37118	End	38590
Name	OJ990909_04.9C10.C19.o22.gp	Method	AAT/GAP
Start	37118	End	38590
GI	3073_1.R1084	Score	2931

Exons	37118..38590		
GI Descrip.	'133936/sp\|P12146\|RR3_ORYSA 5.0e-95 CHLOROPLAST 30S RIBOSOMAL PROTEIN S3 >gi_70867_pir__R3RZ3 ribosomal protein S3 - rice chloroplast >gi_12025_emb_CAA33934_ (X15901) ribosomal protein S3 [Oryza sativa] >gi_226646_prf__1603356BW ribosomal protein S3 [Oryza sativa]'		

Seq. No.	31932	Seq. ID	OJ990909_04.9C10.C19
Gene No.	66051	Strand	-
Start	2874	End	2989
Name	OJ990909_04.9C10.C19.o1.gp	Method	AAT/GAP
Start	2874	End	2989
GI	LIB3431-013-P1-K1-B3	Score	181
Exons	2874..2989		
GI Descrip.	'6002093/emb\|X84149.1\|CHZLRPS4G 9.0e-21 Zizania latifolia cloroplast rps4 gene for ribosomal protein S4'		

Seq. No.	31932	Seq. ID	OJ990909_04.9C10.C19
Gene No.	66052	Strand	-
Start	6825	End	7794
Name	OJ990909_04.9C10.C19.o3.gp	Method	AAT/GAP
Start	6825	End	7794
GI	2409_1.R1084	Score	1911
Exons	6825..7794		
GI Descrip.	'128690/sp\|P12126\|NU3C_ORYSA 2.0e-56 NADH-PLASTOQUINONE OXIDOREDUCTASE CHAIN 3, CHLOROPLAST >gi_66161_pir__DERZN3 NADH dehydrogenase (ubiquinone) (EC 1.6.5.3) chain 3 - rice chloroplast >gi_11989_emb_CAA34001_ (X15901) ndhC; NADH dehydrogenase ND3 [Oryza sativa] >gi_226610_prf__1603356AG NADH dehydrogenase ND3 [Oryza sativa]'		

Seq. No.	31932	Seq. ID	OJ990909_04.9C10.C19
Gene No.	66053	Strand	-
Start	10632	End	11148
Name	OJ990909_04.9C10.C19.o4.gp	Method	AAT/GAP
Start	10632	End	11148
GI	uC-osflM202083h12b1	Score	968
Exons	10632..11148		
GI Descrip.	'552857 3.0e-25 (M31464) atpB gene product [Oryza sativa]'		

Seq. No.	31932	Seq. ID	OJ990909_04.9C10.C19
Gene No.	66054	Strand	-
Start	15706	End	16243
Name	OJ990909_04.9C10.C19.o8.gp	Method	AAT/GAP
Start	15706	End	16243
GI	2653_1.R1084	Score	1052
Exons	15706..16243		
GI Descrip.	'11998/emb\|CAA33959\| 5.0e-35 (X15901) ORF85 [Oryza sativa] >gi_226619_prf__1603356AR ORF 85A [Oryza sativa]'		

Seq. No.	31932	Seq. ID	OJ990909_04.9C10.C19
Gene No.	66055	Strand	-
Start	24957	End	25124
Name	OJ990909_04.9C10.C19.o11.gp	Method	AAT/GAP
Start	24957	End	25124
GI	LIB3431-017-P1-K1-H4	Score	283
Exons	24957..25124		

GI Descrip.	'1173189/sp\|P12340\|RR12_MAIZE 8.0e-18 CHLOROPLAST 30S RIBOSOMAL PROTEIN S12 >gi_2119091_pir__S58629 ribosomal protein S12 - maize chloroplast >gi_342619 (M17841) ribosomal protein S12 [Zea mays] >gi_1216141_emb_CAA60309_ (X86563) ribosomal protein S12 [Zea mays]'		

Seq. No.	31932	Seq. ID	OJ990909_04.9C10.C19
Gene No.	66056	Strand	-
Start	28572	End	29023
Name	OJ990909_04.9C10.C19.o14.gp	Method	AAT/GAP
Start	28572	End	29023
GI	uC-osflcyp003h11b1	Score	872
Exons	28572..29023		
GI Descrip.	'131332/sp\|P09449\|PSBH_ORYSA 1.0e-09 PHOTOSYSTEM II 10 KD PHOSPHOPROTEIN >gi_72716_pir__F2RZ0P photosystem II phosphoprotein psbH - rice chloroplast >gi_11953_emb_CAA31204_ (X12695) 10 kD phosphoprotein (AA 1 - 73) [Oryza sativa] >gi_12016_emb_CAA33976_ (X15901) PSII 10kDa phosphoprotein [Oryza sativa] >gi_226635_prf__1603356BJ photosystem II 10kD phosphoprotein [Oryza sativa]'		

Seq. No.	31932	Seq. ID	OJ990909_04.9C10.C19
Gene No.	66057	Strand	-
Start	29153	End	29316
Name	OJ990909_04.9C10.C19.o15.gp	Method	AAT/GAP
Start	29153	End	29316
GI	uC-osflcyp084g07a1	Score	201
Exons	29153..29316		
GI Descrip.	'11957/emb\|X15901\|CHOSXX 7.0e-38 Rice complete chloroplast genome'		

Seq. No.	31932	Seq. ID	OJ990909_04.9C10.C19
Gene No.	66058	Strand	-
Start	32454	End	33019
Name	OJ990909_04.9C10.C19.o17.gp	Method	AAT/GAP
Start	32454	End	33019
GI	2798177	Score	1010
Exons	32454..33019		
GI Descrip.	5881726/dbj\|BAA84417.1\| 3.0e-24 (AP000423) RNA polymerase alpha subunit [Arabidopsis thaliana]		

Seq. No.	31932	Seq. ID	OJ990909_04.9C10.C19
Gene No.	66059	Strand	-
Start	33802	End	34192
Name	OJ990909_04.9C10.C19.o18.gp	Method	AAT/GAP
Start	33802	End	34192
GI	5003883	Score	782
Exons	33802..34192		
GI Descrip.	11957/emb\|X15901\|CHOSXX 1.0e-166 Rice complete chloroplast genome		

Seq. No.	31932	Seq. ID	OJ990909_04.9C10.C19
Gene No.	66060	Strand	-
Start	34763	End	35348
Name	OJ990909_04.9C10.C19.o19.gp	Method	AAT/GAP
Start	34763	End	35348
GI	481_1.R1084	Score	1023

Exons	34763..35348		
GI Descrip.	'132672/sp\|P12137\|RK14_ORYSA 6.0e-57 CHLOROPLAST 50S RIBOSOMAL PROTEIN L14 >gi_71224_pir__R5RZ14 ribosomal protein L14 - rice chloroplast >gi_12023_emb_CAA33932_ (X15901) ribosomal protein L14 [Oryza sativa] >gi_226644_prf__1603356BU ribosomal protein L14 [Oryza sativa]'		

Seq. No.	31932	Seq. ID	OJ990909_04.9C10.C19
Gene No.	66061	Strand	-
Start	35653	End	35916
Name	OJ990909_04.9C10.C19.o20.gp	Method	AAT/GAP
Start	35653	End	35916
GI	LIB3432-015-P1-K1-H8	Score	450
Exons	35653..35916		
GI Descrip.	'11957/emb\|X15901\|CHOSXX 1.0e-129 Rice complete chloroplast genome'		

Seq. No.	31932	Seq. ID	OJ990909_04.9C10.C19
Gene No.	66062	Strand	-
Start	45684	End	48873
Name	OJ990909_04.9C10.C19.o29.tc	Method	TBLASTX:Cress
Start	334	End	564
GI	none	Score	251
Exons	334..564, 334..534, 336..563		

Seq. No.	31932	Seq. ID	OJ990909_04.9C10.C19
Gene No.	66062	Strand	-
Start	45684	End	48873
Name	OJ990909_04.9C10.C19.o6.tm	Method	TBLASTX:Maize
Start	334	End	1433
GI	none	Score	469
Exons	334..525, 336..629, 336..614, 337..630, 565..630, 624..1253, 628..1284, 629..1237, 660..1250, 1207..1410, 1232..1411, 1248..1412, 1248..1412, 1249..1413, 1413..1433, 1415..1432		

Seq. No.	31932	Seq. ID	OJ990909_04.9C10.C19
Gene No.	66062	Strand	-
Start	45684	End	48873
Name	OJ990909_04.9C10.C19.o4.tw	Method	TBLASTX:Wheat
Start	382	End	12024
GI	none	Score	58
Exons	382..453, 11339..11467, 11339..11500, 11341..11484, 11458..11556, 11487..11549, 11512..11586, 11550..11978, 11570..12022, 11570..12022, 11599..12024, 11841..12023		

Seq. No.	31932	Seq. ID	OJ990909_04.9C10.C19
Gene No.	66062	Strand	-
Start	45684	End	48873
Name	OJ990909_04.9C10.C19.o7.tc	Method	TBLASTX:Cress
Start	567	End	47211
GI	none	Score	66
Exons	567..602, 46463..46984, 46464..46940, 46464..46985, 46935..47051, 46939..47052, 46940..46966, 46943..47059, 46944..47060, 46996..47064, 47028..47102, 47033..47134, 47066..47113, 47103..47177, 47119..47187, 47129..47173, 47163..47204, 47169..47210, 47191..47211		

Seq. No.	31932	Seq. ID	OJ990909_04.9C10.C19
Gene No.	66062	Strand	-
Start	45684	End	48873
Name	OJ990909_04.9C10.C19.o25.tc	Method	TBLASTX:Cress
Start	684	End	1422
GI	none	Score	56
Exons	684..740, 696..716, 751..804, 768..803, 768..899, 809..925, 810..926, 814..933, 921..1037, 933..1037, 934..1047, 1046..1138, 1058..1138, 1060..1143, 1229..1408, 1236..1418, 1236..1418, 1237..1422		

Seq. No.	31932	Seq. ID	OJ990909_04.9C10.C19
Gene No.	66062	Strand	-
Start	45684	End	48873
Name	OJ990909_04.9C10.C19.o24.ts	Method	TBLASTX:Soybean
Start	747	End	1423
GI	none	Score	54
Exons	747..803, 748..807, 767..808, 780..902, 809..928, 810..938, 981..1016, 991..1014, 1050..1076, 1057..1131, 1077..1148, 1091..1135, 1143..1169, 1147..1170, 1248..1415, 1249..1416, 1249..1416, 1262..1423		

Seq. No.	31932	Seq. ID	OJ990909_04.9C10.C19
Gene No.	66062	Strand	-
Start	45684	End	48873
Name	OJ990909_04.9C10.C19.o29.tm	Method	TBLASTX:Maize
Start	1600	End	1986
GI	none	Score	291
Exons	1600..1620, 1604..1888, 1624..1755, 1643..1891, 1801..1896, 1886..1975, 1887..1976, 1890..1976, 1891..1986, 1891..1977		

Seq. No.	31932	Seq. ID	OJ990909_04.9C10.C19
Gene No.	66062	Strand	-
Start	45684	End	48873
Name	OJ990909_04.9C10.C19.o18.tm	Method	TBLASTX:Maize
Start	2067	End	2609
GI	none	Score	97
Exons	2067..2150, 2068..2148, 2069..2149, 2095..2151, 2150..2302, 2151..2576, 2152..2592, 2152..2577, 2154..2582, 2574..2609		

Seq. No.	31932	Seq. ID	OJ990909_04.9C10.C19
Gene No.	66062	Strand	-
Start	45684	End	48873
Name	OJ990909_04.9C10.C19.o17.tw	Method	TBLASTX:Wheat
Start	2237	End	2637
GI	none	Score	101
Exons	2237..2275, 2274..2354, 2286..2354, 2293..2355, 2299..2355, 2314..2637, 2343..2636		

Seq. No.	31932	Seq. ID	OJ990909_04.9C10.C19
Gene No.	66062	Strand	-
Start	45684	End	48873
Name	OJ990909_04.9C10.C19.o8.tc	Method	TBLASTX:Cress
Start	2364	End	3361
GI	none	Score	585
Exons	2364..2993, 2365..2994, 2367..2993, 2374..2994, 2864..2998, 3012..3083, 3013..3060, 3226..3345, 3258..3347, 3265..3342,		

3266..3361, 3266..3352

Seq. No.	31932	Seq. ID	OJ990909_04.9C10.C19
Gene No.	66062	Strand	-
Start	45684	End	48873
Name	OJ990909_04.9C10.C19.o15.ts	Method	TBLASTX:Soybean
Start	2588	End	3092
GI	none	Score	369
Exons	2588..2809, 2589..2984, 2589..2990, 2590..2991, 2897..2992, 3036..3092		

Seq. No.	31932	Seq. ID	OJ990909_04.9C10.C19
Gene No.	66062	Strand	-
Start	45684	End	48873
Name	OJ990909_04.9C10.C19.o36.tm	Method	TBLASTX:Maize
Start	2870	End	3127
GI	none	Score	163
Exons	2870..2983, 2870..2983, 2871..2984, 2872..3012, 2978..3070, 2980..3093, 2982..3092, 2984..3103, 3101..3127, 3102..3125		

Seq. No.	31932	Seq. ID	OJ990909_04.9C10.C19
Gene No.	66062	Strand	-
Start	45684	End	48873
Name	OJ990909_04.9C10.C19.o14.tm	Method	TBLASTX:Maize
Start	3721	End	4712
GI	none	Score	78
Exons	3721..3834, 3753..3836, 3829..3990, 3831..3989, 3832..4002, 3982..4212, 3983..4213, 3986..4222, 3987..4223, 3987..4223, 4219..4254, 4222..4341, 4223..4252, 4246..4338, 4247..4345, 4257..4349, 4421..4468, 4428..4526, 4429..4527, 4521..4568, 4522..4599, 4522..4599, 4523..4600, 4536..4604, 4597..4671, 4598..4708, 4598..4711, 4611..4712		

Seq. No.	31932	Seq. ID	OJ990909_04.9C10.C19
Gene No.	66062	Strand	-
Start	45684	End	48873
Name	OJ990909_04.9C10.C19.o30.ts	Method	TBLASTX:Soybean
Start	4074	End	4341
GI	none	Score	165
Exons	4074..4223, 4096..4257, 4113..4223, 4213..4263, 4219..4341, 4220..4336, 4245..4337, 4285..4338		

Seq. No.	31932	Seq. ID	OJ990909_04.9C10.C19
Gene No.	66062	Strand	-
Start	45684	End	48873
Name	OJ990909_04.9C10.C19.o30.tw	Method	TBLASTX:Wheat
Start	4098	End	4360
GI	none	Score	176
Exons	4098..4286, 4105..4215, 4106..4222, 4107..4223, 4202..4255, 4221..4262, 4274..4360, 4286..4360		

Seq. No.	31932	Seq. ID	OJ990909_04.9C10.C19
Gene No.	66062	Strand	-
Start	45684	End	48873
Name	OJ990909_04.9C10.C19.o43.tc	Method	TBLASTX:Cress
Start	4601	End	4737
GI	none	Score	133

Exons 4601..4717, 4604..4735, 4611..4724, 4611..4736, 4714..4737

Seq. No.	31932	Seq. ID	OJ990909_04.9C10.C19
Gene No.	66062	Strand	-
Start	45684	End	48873
Name	OJ990909_04.9C10.C19.o2.tm	Method	TBLASTX:Maize
Start	5327	End	8028
GI	none	Score	68

Exons 5327..5377, 5327..5377, 5328..5387, 5376..5447, 5380..5448, 5390..5419, 5445..6104, 5447..6106, 5451..6104, 6090..6299, 6091..6309, 6095..6316, 6102..6296, 6112..6297, 6282..6806, 6285..6668, 6286..6837, 6286..6816, 6820..7131, 6842..7342, 6858..7343, 7137..7343, 7192..7344, 7340..7501, 7344..7502, 7345..7527, 7346..7528, 7537..7581, 7558..7611, 7558..7587, 7563..7610, 7604..7630, 7608..7631, 7661..7723, 7663..7725, 7678..7725, 7692..7736, 7697..7819, 7730..7774, 7731..7778, 7746..7868, 7753..7854, 7853..7915, 7853..7912, 7854..7913, 7910..7936, 7915..8028, 7917..8027

Seq. No.	31932	Seq. ID	OJ990909_04.9C10.C19
Gene No.	66062	Strand	-
Start	45684	End	48873
Name	OJ990909_04.9C10.C19.o11.tc	Method	TBLASTX:Cress
Start	5534	End	6011
GI	none	Score	463

Exons 5534..6001, 5535..6002, 5535..6011, 5665..6009

Seq. No.	31932	Seq. ID	OJ990909_04.9C10.C19
Gene No.	66062	Strand	-
Start	45684	End	48873
Name	OJ990909_04.9C10.C19.o13.ts	Method	TBLASTX:Soybean
Start	5586	End	6036
GI	none	Score	383

Exons 5586..6020, 5586..6020, 5662..6036

Seq. No.	31932	Seq. ID	OJ990909_04.9C10.C19
Gene No.	66062	Strand	-
Start	45684	End	48873
Name	OJ990909_04.9C10.C19.o6.tc	Method	TBLASTX:Cress
Start	6097	End	6814
GI	none	Score	152

Exons 6097..6285, 6098..6286, 6123..6389, 6276..6347, 6334..6390, 6383..6460, 6384..6806, 6385..6813, 6500..6814

Seq. No.	31932	Seq. ID	OJ990909_04.9C10.C19
Gene No.	66062	Strand	-
Start	45684	End	48873
Name	OJ990909_04.9C10.C19.o6.ts	Method	TBLASTX:Soybean
Start	6165	End	6849
GI	none	Score	441

Exons 6165..6668, 6165..6806, 6166..6849, 6166..6813

Seq. No.	31932	Seq. ID	OJ990909_04.9C10.C19
Gene No.	66062	Strand	-
Start	45684	End	48873
Name	OJ990909_04.9C10.C19.o3.tw	Method	TBLASTX:Wheat
Start	6252	End	6783

GI	none	Score	697
Exons	6252..6782, 6253..6783		

Seq. No.	31932	Seq. ID	OJ990909_04.9C10.C19
Gene No.	66062	Strand	-
Start	45684	End	48873
Name	OJ990909_04.9C10.C19.o21.tc	Method	TBLASTX:Cress
Start	6845	End	7244
GI	none	Score	342
Exons	6845..6877, 6894..7244, 6894..7238, 6926..7240, 7177..7242		

Seq. No.	31932	Seq. ID	OJ990909_04.9C10.C19
Gene No.	66062	Strand	-
Start	45684	End	48873
Name	OJ990909_04.9C10.C19.o20.ts	Method	TBLASTX:Soybean
Start	6851	End	7184
GI	none	Score	306
Exons	6851..7126, 6852..7184, 6854..7183		

Seq. No.	31932	Seq. ID	OJ990909_04.9C10.C19
Gene No.	66062	Strand	-
Start	45684	End	48873
Name	OJ990909_04.9C10.C19.o26.ts	Method	TBLASTX:Soybean
Start	7936	End	8605
GI	none	Score	137
Exons	7936..8040, 7937..8056, 7938..8024, 7939..8025, 7976..8041, 8000..8086, 8008..8082, 8020..8094, 8022..8102, 8075..8209, 8093..8122, 8128..8226, 8144..8218, 8145..8258, 8236..8304, 8264..8296, 8306..8341, 8306..8341, 8435..8467, 8436..8465, 8523..8594, 8538..8597, 8540..8605		

Seq. No.	31932	Seq. ID	OJ990909_04.9C10.C19
Gene No.	66062	Strand	-
Start	45684	End	48873
Name	OJ990909_04.9C10.C19.o34.tc	Method	TBLASTX:Cress
Start	7957	End	8513
GI	none	Score	88
Exons	7957..8025, 7959..8024, 7976..8026, 8020..8082, 8020..8097, 8021..8092, 8078..8128, 8156..8218, 8157..8228, 8159..8197, 8205..8429, 8210..8311, 8211..8318, 8303..8368, 8436..8465, 8475..8513		

Seq. No.	31932	Seq. ID	OJ990909_04.9C10.C19
Gene No.	66062	Strand	-
Start	45684	End	48873
Name	OJ990909_04.9C10.C19.o16.tm	Method	TBLASTX:Maize
Start	8114	End	8745
GI	none	Score	470
Exons	8114..8446, 8115..8444, 8394..8447, 8441..8695, 8442..8648, 8680..8745		

Seq. No.	31932	Seq. ID	OJ990909_04.9C10.C19
Gene No.	66062	Strand	-
Start	45684	End	48873
Name	OJ990909_04.9C10.C19.o1.tc	Method	TBLASTX:Cress
Start	8880	End	10869
GI	none	Score	75

Exons	8880..9050, 8975..9214, 9040..9204, 9047..9208, 9135..9218, 9185..9790, 9206..9790, 9406..9801, 9786..10868, 9787..10206, 9791..10543, 9831..10622, 10291..10869		
Seq. No.	31932	Seq. ID	OJ990909_04.9C10.C19
Gene No.	66062	Strand	-
Start	45684	End	48873
Name	OJ990909_04.9C10.C19.o28.tm	Method	TBLASTX:Maize
Start	8913	End	9297
GI	none	Score	131
Exons	8913..9050, 8914..9243, 8953..9243, 9135..9260, 9228..9296, 9250..9297, 9250..9297		
Seq. No.	31932	Seq. ID	OJ990909_04.9C10.C19
Gene No.	66062	Strand	-
Start	45684	End	48873
Name	OJ990909_04.9C10.C19.o1.ts	Method	TBLASTX:Soybean
Start	8975	End	10268
GI	none	Score	69
Exons	8975..9790, 8976..9050, 9058..9525, 9065..9790, 9406..9801, 9786..10268, 9787..10206, 9831..10268		
Seq. No.	31932	Seq. ID	OJ990909_04.9C10.C19
Gene No.	66062	Strand	-
Start	45684	End	48873
Name	OJ990909_04.9C10.C19.o7.tm	Method	TBLASTX:Maize
Start	9401	End	10710
GI	none	Score	173
Exons	9401..9790, 9406..9528, 9527..9565, 9562..9807, 9786..10181, 9808..10170, 9825..10181, 10182..10424, 10200..10691, 10291..10710		
Seq. No.	31932	Seq. ID	OJ990909_04.9C10.C19
Gene No.	66062	Strand	-
Start	45684	End	48873
Name	OJ990909_04.9C10.C19.o23.tw	Method	TBLASTX:Wheat
Start	9433	End	9807
GI	none	Score	44
Exons	9433..9528, 9434..9529, 9527..9565, 9528..9566, 9562..9807, 9587..9790		
Seq. No.	31932	Seq. ID	OJ990909_04.9C10.C19
Gene No.	66062	Strand	-
Start	45684	End	48873
Name	OJ990909_04.9C10.C19.o5.tw	Method	TBLASTX:Wheat
Start	9900	End	10595
GI	none	Score	237
Exons	9900..10181, 9901..10170, 9906..10175, 10200..10262, 10269..10307, 10318..10587, 10332..10595		
Seq. No.	31932	Seq. ID	OJ990909_04.9C10.C19
Gene No.	66062	Strand	-
Start	45684	End	48873
Name	OJ990909_04.9C10.C19.o9.ts	Method	TBLASTX:Soybean
Start	10269	End	11356
GI	none	Score	294
Exons	10269..10622, 10269..10865, 10270..10866, 11300..11356		

Seq. No.	31932	Seq. ID	OJ990909_04.9C10.C19
Gene No.	66062	Strand	-
Start	45684	End	48873
Name	OJ990909_04.9C10.C19.o35.tm	Method	TBLASTX:Maize
Start	10710	End	10963
GI	none	Score	261
Exons	10710..10889, 10712..10921, 10912..10941, 10912..10941, 10946..10963		

Seq. No.	31932	Seq. ID	OJ990909_04.9C10.C19
Gene No.	66062	Strand	-
Start	45684	End	48873
Name	OJ990909_04.9C10.C19.o13.tw	Method	TBLASTX:Wheat
Start	10739	End	11171
GI	none	Score	215
Exons	10739..10888, 10739..10834, 10741..10917, 10741..10878, 10840..10950, 10885..10971, 10886..10960, 10949..11170, 10958..11137, 10962..11171		

Seq. No.	31932	Seq. ID	OJ990909_04.9C10.C19
Gene No.	66062	Strand	-
Start	45684	End	48873
Name	OJ990909_04.9C10.C19.o41.tm	Method	TBLASTX:Maize
Start	10964	End	11154
GI	none	Score	199
Exons	10964..11101, 10964..11101, 10965..11126, 10966..11103, 11094..11150, 11098..11154, 11100..11153		

Seq. No.	31932	Seq. ID	OJ990909_04.9C10.C19
Gene No.	66062	Strand	-
Start	45684	End	48873
Name	OJ990909_04.9C10.C19.o30.tm	Method	TBLASTX:Maize
Start	11296	End	11605
GI	none	Score	186
Exons	11296..11418, 11300..11419, 11395..11505, 11404..11460, 11406..11483, 11408..11503, 11409..11513, 11478..11603, 11480..11605, 11522..11605		

Seq. No.	31932	Seq. ID	OJ990909_04.9C10.C19
Gene No.	66062	Strand	-
Start	45684	End	48873
Name	OJ990909_04.9C10.C19.o5.ts	Method	TBLASTX:Soybean
Start	11579	End	12282
GI	none	Score	1013
Exons	11579..12265, 11579..12280, 11602..12282, 11767..12282		

Seq. No.	31932	Seq. ID	OJ990909_04.9C10.C19
Gene No.	66062	Strand	-
Start	45684	End	48873
Name	OJ990909_04.9C10.C19.o14.tc	Method	TBLASTX:Cress
Start	11588	End	12064
GI	none	Score	41
Exons	11588..11620, 11622..11972, 11623..12045, 11624..12064, 11627..12064		

Seq. No.	31932	Seq. ID	OJ990909_04.9C10.C19

Gene No.	66062	Strand	-
Start	45684	End	48873
Name	OJ990909_04.9C10.C19.o10.tm	Method	TBLASTX:Maize
Start	11606	End	12352
GI	none	Score	436
Exons	11606..12304, 11616..11978, 11618..12346, 12302..12352		

Seq. No.	31932	Seq. ID	OJ990909_04.9C10.C19
Gene No.	66062	Strand	-
Start	45684	End	48873
Name	OJ990909_04.9C10.C19.o24.tw	Method	TBLASTX:Wheat
Start	12025	End	12207
GI	none	Score	319
Exons	12025..12207, 12026..12205		

Seq. No.	31932	Seq. ID	OJ990909_04.9C10.C19
Gene No.	66062	Strand	-
Start	45684	End	48873
Name	OJ990909_04.9C10.C19.o1.tw	Method	TBLASTX:Wheat
Start	12350	End	13102
GI	none	Score	926
Exons	12350..13096, 12351..13052, 12351..13097, 12356..13102		

Seq. No.	31932	Seq. ID	OJ990909_04.9C10.C19
Gene No.	66062	Strand	-
Start	45684	End	48873
Name	OJ990909_04.9C10.C19.o38.tm	Method	TBLASTX:Maize
Start	12355	End	12643
GI	none	Score	205
Exons	12355..12639, 12356..12643, 12360..12638		

Seq. No.	31932	Seq. ID	OJ990909_04.9C10.C19
Gene No.	66062	Strand	-
Start	45684	End	48873
Name	OJ990909_04.9C10.C19.o41.tc	Method	TBLASTX:Cress
Start	12587	End	12734
GI	none	Score	156
Exons	12587..12709, 12588..12734, 12589..12723		

Seq. No.	31932	Seq. ID	OJ990909_04.9C10.C19
Gene No.	66062	Strand	-
Start	45684	End	48873
Name	OJ990909_04.9C10.C19.o21.tm	Method	TBLASTX:Maize
Start	12697	End	13233
GI	none	Score	310
Exons	12697..13056, 12706..12912, 12719..13066, 12722..13066, 13174..13233, 13178..13231		

Seq. No.	31932	Seq. ID	OJ990909_04.9C10.C19
Gene No.	66062	Strand	-
Start	45684	End	48873
Name	OJ990909_04.9C10.C19.o27.tc	Method	TBLASTX:Cress
Start	12817	End	13086
GI	none	Score	353
Exons	12817..12948, 12818..13084, 12818..13084, 12819..13085, 12985..13086		

Seq. No.	31932	Seq. ID	OJ990909_04.9C10.C19
Gene No.	66062	Strand	-
Start	45684	End	48873
Name	OJ990909_04.9C10.C19.o2.tc	Method	TBLASTX:Cress
Start	13373	End	40741
GI	none	Score	49
Exons	13373..13405, 13403..13432, 13419..13496, 13432..13494, 39522..39563, 39524..39697, 39524..39718, 39600..39731, 39717..39830, 39718..39834, 39719..39838, 39842..40051, 39844..40557, 39847..40557, 40544..40642, 40554..40649, 40558..40650, 40562..40648, 40576..40650, 40651..40731, 40655..40741, 40656..40739		

Seq. No.	31932	Seq. ID	OJ990909_04.9C10.C19
Gene No.	66062	Strand	-
Start	45684	End	48873
Name	OJ990909_04.9C10.C19.o8.tw	Method	TBLASTX:Wheat
Start	13374	End	40589
GI	none	Score	56
Exons	13374..13406, 13375..13425, 13379..13411, 13400..13432, 13401..13433, 13432..13524, 13436..13522, 40212..40238, 40213..40587, 40213..40587, 40214..40588, 40287..40589		

Seq. No.	31932	Seq. ID	OJ990909_04.9C10.C19
Gene No.	66062	Strand	-
Start	45684	End	48873
Name	OJ990909_04.9C10.C19.o9.tm	Method	TBLASTX:Maize
Start	13374	End	40619
GI	none	Score	53
Exons	13374..13406, 13375..13425, 13379..13411, 13400..13432, 13401..13433, 13418..13522, 13418..13504, 13432..13524, 14056..14118, 39842..40051, 39844..40092, 39847..40092, 39921..40094, 40028..40093, 40087..40617, 40095..40619, 40096..40617		

Seq. No.	31932	Seq. ID	OJ990909_04.9C10.C19
Gene No.	66062	Strand	-
Start	45684	End	48873
Name	OJ990909_04.9C10.C19.o11.ts	Method	TBLASTX:Soybean
Start	13432	End	40551
GI	none	Score	96
Exons	13432..13515, 13434..13496, 13435..13497, 39974..40051, 39976..40551, 39978..40235, 39979..40545		

Seq. No.	31932	Seq. ID	OJ990909_04.9C10.C19
Gene No.	66062	Strand	-
Start	45684	End	48873
Name	OJ990909_04.9C10.C19.o22.ts	Method	TBLASTX:Soybean
Start	14122	End	16613
GI	none	Score	140
Exons	14122..14343, 14181..14300, 14803..14940, 14805..14894, 14815..14901, 14816..14902, 15262..15423, 15267..15407, 15411..15614, 15419..15460, 15445..15660, 15445..15657, 15680..15742, 15683..15742, 15691..15747, 15769..15828, 15769..15846, 16142..16210, 16154..16213, 16156..16218, 16235..16609, 16239..16613, 16245..16349, 16265..16612, 16428..16613		

Seq. No.	31932	Seq. ID	OJ990909_04.9C10.C19
Gene No.	66062	Strand	-
Start	45684	End	48873
Name	OJ990909_04.9C10.C19.o23.tm	Method	TBLASTX:Maize
Start	14757	End	15187
GI	none	Score	273
Exons	14757..14936, 14763..14936, 14939..15037, 14939..15019, 14940..15053, 15026..15103, 15034..15105, 15037..15105, 15039..15125, 15073..15171, 15095..15172, 15098..15187, 15102..15173		

Seq. No.	31932	Seq. ID	OJ990909_04.9C10.C19
Gene No.	66062	Strand	-
Start	45684	End	48873
Name	OJ990909_04.9C10.C19.o9.tc	Method	TBLASTX:Cress
Start	15268	End	16609
GI	none	Score	341
Exons	15268..15753, 15270..15650, 15270..15758, 15271..15759, 15693..15761, 15740..15829, 15745..15828, 16157..16231, 16231..16590, 16232..16609, 16236..16607		

Seq. No.	31932	Seq. ID	OJ990909_04.9C10.C19
Gene No.	66062	Strand	-
Start	45684	End	48873
Name	OJ990909_04.9C10.C19.o19.tm	Method	TBLASTX:Maize
Start	15426	End	16023
GI	none	Score	46
Exons	15426..15458, 15427..15459, 15437..15844, 15442..15846, 15445..15846, 15932..15955, 15933..15956, 15951..15998, 15952..15999, 15954..15998, 15991..16023, 15995..16015		

Seq. No.	31932	Seq. ID	OJ990909_04.9C10.C19
Gene No.	66062	Strand	-
Start	45684	End	48873
Name	OJ990909_04.9C10.C19.o2.ts	Method	TBLASTX:Soybean
Start	16617	End	18153
GI	none	Score	332
Exons	16617..16934, 16637..16942, 17163..17372, 17169..18152, 17170..18153		

Seq. No.	31932	Seq. ID	OJ990909_04.9C10.C19
Gene No.	66062	Strand	-
Start	45684	End	48873
Name	OJ990909_04.9C10.C19.o37.tc	Method	TBLASTX:Cress
Start	16629	End	16846
GI	none	Score	228
Exons	16629..16844, 16631..16846		

Seq. No.	31932	Seq. ID	OJ990909_04.9C10.C19
Gene No.	66062	Strand	-
Start	45684	End	48873
Name	OJ990909_04.9C10.C19.o3.tc	Method	TBLASTX:Cress
Start	16847	End	18113
GI	none	Score	91
Exons	16847..16927, 16848..16919, 17149..17949, 17163..17372, 17170..17958, 18055..18111, 18055..18111, 18063..18113		

Seq. No.	31932	Seq. ID	OJ990909_04.9C10.C19
Gene No.	66062	Strand	-
Start	45684	End	48873
Name	OJ990909_04.9C10.C19.o15.tw	Method	TBLASTX:Wheat
Start	16938	End	17364
GI	none	Score	39
Exons	16938..16964, 16939..16974, 16940..16978, 16968..17039, 16969..17088, 16984..17109, 17024..17236, 17042..17206, 17044..17235, 17136..17237, 17239..17364, 17242..17361, 17244..17363		

Seq. No.	31932	Seq. ID	OJ990909_04.9C10.C19
Gene No.	66062	Strand	-
Start	45684	End	48873
Name	OJ990909_04.9C10.C19.o20.tm	Method	TBLASTX:Maize
Start	16990	End	17470
GI	none	Score	58
Exons	16990..17028, 16992..17036, 17025..17372, 17026..17469, 17030..17470		

Seq. No.	31932	Seq. ID	OJ990909_04.9C10.C19
Gene No.	66062	Strand	-
Start	45684	End	48873
Name	OJ990909_04.9C10.C19.o37.tm	Method	TBLASTX:Maize
Start	17471	End	17639
GI	none	Score	273
Exons	17471..17638, 17472..17639, 17473..17637		

Seq. No.	31932	Seq. ID	OJ990909_04.9C10.C19
Gene No.	66062	Strand	-
Start	45684	End	48873
Name	OJ990909_04.9C10.C19.o31.tw	Method	TBLASTX:Wheat
Start	17696	End	17812
GI	none	Score	205
Exons	17696..17812, 17698..17811		

Seq. No.	31932	Seq. ID	OJ990909_04.9C10.C19
Gene No.	66062	Strand	-
Start	45684	End	48873
Name	OJ990909_04.9C10.C19.o18.tw	Method	TBLASTX:Wheat
Start	17931	End	18258
GI	none	Score	377
Exons	17931..18194, 17938..18258, 17938..18258		

Seq. No.	31932	Seq. ID	OJ990909_04.9C10.C19
Gene No.	66062	Strand	-
Start	45684	End	48873
Name	OJ990909_04.9C10.C19.o31.tc	Method	TBLASTX:Cress
Start	19077	End	19414
GI	none	Score	273
Exons	19077..19322, 19080..19322, 19361..19414, 19362..19412		

Seq. No.	31932	Seq. ID	OJ990909_04.9C10.C19
Gene No.	66062	Strand	-
Start	45684	End	48873
Name	OJ990909_04.9C10.C19.o27.tm	Method	TBLASTX:Maize

Start	19131	End	19414
GI	none	Score	364
Exons	19131..19346, 19131..19385, 19132..19374, 19346..19414, 19347..19412, 19348..19413		

Seq. No.	31932	Seq. ID	OJ990909_04.9C10.C19
Gene No.	66062	Strand	-
Start	45684	End	48873
Name	OJ990909_04.9C10.C19.o7.tw	Method	TBLASTX:Wheat
Start	19367	End	19808
GI	none	Score	669
Exons	19367..19792, 19368..19808		

Seq. No.	31932	Seq. ID	OJ990909_04.9C10.C19
Gene No.	66062	Strand	-
Start	45684	End	48873
Name	OJ990909_04.9C10.C19.o13.tc	Method	TBLASTX:Cress
Start	19453	End	20031
GI	none	Score	89
Exons	19453..19506, 19454..19510, 19455..19511, 19455..19511, 19509..19640, 19512..19640, 19513..19641, 19514..19642, 19643..19924, 19646..19912, 19647..19925, 19648..19920, 19648..19929, 19924..19956, 19928..19957, 19960..20031, 19964..20026		

Seq. No.	31932	Seq. ID	OJ990909_04.9C10.C19
Gene No.	66062	Strand	-
Start	45684	End	48873
Name	OJ990909_04.9C10.C19.o44.tm	Method	TBLASTX:Maize
Start	19873	End	20025
GI	none	Score	89
Exons	19873..19926, 19873..19920, 19874..19942, 19921..19980, 19928..19981, 19928..19981, 19981..20025, 19984..20025		

Seq. No.	31932	Seq. ID	OJ990909_04.9C10.C19
Gene No.	66062	Strand	-
Start	45684	End	48873
Name	OJ990909_04.9C10.C19.o20.tw	Method	TBLASTX:Wheat
Start	19886	End	20287
GI	none	Score	86
Exons	19886..19960, 19887..19937, 19888..19938, 19907..20122, 19919..20122, 20116..20262, 20141..20284, 20162..20287		

Seq. No.	31932	Seq. ID	OJ990909_04.9C10.C19
Gene No.	66062	Strand	-
Start	45684	End	48873
Name	OJ990909_04.9C10.C19.o43.tm	Method	TBLASTX:Maize
Start	20079	End	20469
GI	none	Score	64
Exons	20079..20132, 20083..20139, 20084..20137, 20112..20204, 20144..20200, 20198..20239, 20216..20278, 20219..20281, 20285..20362, 20286..20357, 20286..20366, 20287..20358, 20369..20461, 20392..20469, 20394..20456		

Seq. No.	31932	Seq. ID	OJ990909_04.9C10.C19
Gene No.	66062	Strand	-
Start	45684	End	48873

Name	OJ990909_04.9C10.C19.o1.tm	Method	TBLASTX:Maize
Start	20546	End	47651
GI	none	Score	81
Exons	20546..20593, 20547..20594, 20547..20606, 45773..46243, 45773..47182, 45774..47210, 45792..47204, 46738..47211, 47119..47220, 47266..47349, 47267..47350, 47292..47351, 47344..47643, 47346..47651, 47349..47651		

Seq. No.	31932	Seq. ID	OJ990909_04.9C10.C19
Gene No.	66062	Strand	-
Start	45684	End	48873
Name	OJ990909_04.9C10.C19.o11.tw	Method	TBLASTX:Wheat
Start	20649	End	21245
GI	none	Score	136
Exons	20649..20777, 20653..20778, 20654..20749, 20656..20778, 20802..20843, 20817..20882, 20836..20919, 20841..20918, 20893..20970, 20922..20969, 20922..20972, 20923..20970, 20955..21080, 20956..21081, 20960..21079, 20968..21081, 21069..21245, 21074..21244		

Seq. No.	31932	Seq. ID	OJ990909_04.9C10.C19
Gene No.	66062	Strand	-
Start	45684	End	48873
Name	OJ990909_04.9C10.C19.o15.tm	Method	TBLASTX:Maize
Start	20811	End	21554
GI	none	Score	139
Exons	20811..20969, 20836..20961, 20838..20987, 20843..20983, 20956..21042, 20957..21040, 21036..21206, 21036..21206, 21038..21208, 21223..21255, 21224..21277, 21250..21276, 21258..21287, 21273..21344, 21274..21381, 21275..21343, 21276..21350, 21338..21520, 21339..21554, 21341..21547, 21342..21548		

Seq. No.	31932	Seq. ID	OJ990909_04.9C10.C19
Gene No.	66062	Strand	-
Start	45684	End	48873
Name	OJ990909_04.9C10.C19.o35.tc	Method	TBLASTX:Cress
Start	21138	End	21480
GI	none	Score	74
Exons	21138..21224, 21140..21205, 21280..21345, 21283..21345, 21345..21479, 21355..21480, 21366..21476		

Seq. No.	31932	Seq. ID	OJ990909_04.9C10.C19
Gene No.	66062	Strand	-
Start	45684	End	48873
Name	OJ990909_04.9C10.C19.o29.ts	Method	TBLASTX:Soybean
Start	21280	End	21495
GI	none	Score	146
Exons	21280..21345, 21339..21488, 21339..21494, 21340..21495		

Seq. No.	31932	Seq. ID	OJ990909_04.9C10.C19
Gene No.	66062	Strand	-
Start	45684	End	48873
Name	OJ990909_04.9C10.C19.o22.tw	Method	TBLASTX:Wheat
Start	22016	End	22404
GI	none	Score	83
Exons	22016..22075, 22016..22075, 22017..22094, 22058..22096,		

22072..22095, 22119..22367, 22123..22389, 22129..22404

Seq. No.	31932	Seq. ID	OJ990909_04.9C10.C19
Gene No.	66062	Strand	-
Start	45684	End	48873
Name	OJ990909_04.9C10.C19.o24.tm	Method	TBLASTX:Maize
Start	22100	End	22416
GI	none	Score	380
Exons	22100..22396, 22101..22409, 22102..22416, 22102..22416		

Seq. No.	31932	Seq. ID	OJ990909_04.9C10.C19
Gene No.	66062	Strand	-
Start	45684	End	48873
Name	OJ990909_04.9C10.C19.o27.ts	Method	TBLASTX:Soybean
Start	22175	End	23538
GI	none	Score	168
Exons	22175..22282, 22177..22329, 22177..22329, 22725..22889, 22735..22965, 22748..22978, 22762..22965, 23228..23299, 23230..23292, 23236..23280, 23287..23349, 23359..23529, 23361..23525, 23361..23534, 23377..23538		

Seq. No.	31932	Seq. ID	OJ990909_04.9C10.C19
Gene No.	66062	Strand	-
Start	45684	End	48873
Name	OJ990909_04.9C10.C19.o38.tc	Method	TBLASTX:Cress
Start	22178	End	22338
GI	none	Score	165
Exons	22178..22282, 22178..22324, 22180..22329, 22180..22338		

Seq. No.	31932	Seq. ID	OJ990909_04.9C10.C19
Gene No.	66062	Strand	-
Start	45684	End	48873
Name	OJ990909_04.9C10.C19.o33.tm	Method	TBLASTX:Maize
Start	22599	End	22936
GI	none	Score	94
Exons	22599..22682, 22689..22898, 22700..22936, 22732..22932, 22742..22936		

Seq. No.	31932	Seq. ID	OJ990909_04.9C10.C19
Gene No.	66062	Strand	-
Start	45684	End	48873
Name	OJ990909_04.9C10.C19.o32.tc	Method	TBLASTX:Cress
Start	22748	End	23681
GI	none	Score	280
Exons	22748..22966, 22765..22965, 23233..23280, 23257..23349, 23361..23525, 23361..23525, 23377..23538, 23583..23681		

Seq. No.	31932	Seq. ID	OJ990909_04.9C10.C19
Gene No.	66062	Strand	-
Start	45684	End	48873
Name	OJ990909_04.9C10.C19.o19.ts	Method	TBLASTX:Soybean
Start	23574	End	46575
GI	none	Score	178
Exons	23574..23660, 46173..46295, 46174..46296, 46308..46421, 46308..46421, 46391..46573, 46394..46573, 46420..46575, 46422..46574		

Seq. No.	31932	Seq. ID	OJ990909_04.9C10.C19
Gene No.	66062	Strand	-
Start	45684	End	48873
Name	OJ990909_04.9C10.C19.o36.tc	Method	TBLASTX:Cress
Start	24280	End	24857
GI	none	Score	37
Exons	24280..24309, 24346..24381, 24349..24378, 24371..24430, 24384..24431, 24467..24553, 24468..24542, 24469..24543, 24558..24596, 24559..24657, 24560..24703, 24642..24704, 24740..24784, 24743..24784, 24813..24857		

Seq. No.	31932	Seq. ID	OJ990909_04.9C10.C19
Gene No.	66062	Strand	-
Start	45684	End	48873
Name	OJ990909_04.9C10.C19.o23.ts	Method	TBLASTX:Soybean
Start	24376	End	25425
GI	none	Score	73
Exons	24376..24426, 24384..24434, 24460..24501, 24464..24541, 24465..24491, 24503..24547, 24537..24605, 24558..24602, 24559..24612, 24602..24667, 24608..24700, 24609..24701, 24642..24713, 24796..24861, 24803..24856, 24909..25070, 24912..25088, 24937..25071, 25073..25117, 25091..25117, 25268..25423, 25268..25423, 25276..25425, 25278..25424		

Seq. No.	31932	Seq. ID	OJ990909_04.9C10.C19
Gene No.	66062	Strand	-
Start	45684	End	48873
Name	OJ990909_04.9C10.C19.o39.tm	Method	TBLASTX:Maize
Start	24767	End	24955
GI	none	Score	62
Exons	24767..24793, 24769..24795, 24769..24795, 24795..24953, 24797..24955, 24799..24954		

Seq. No.	31932	Seq. ID	OJ990909_04.9C10.C19
Gene No.	66062	Strand	-
Start	45684	End	48873
Name	OJ990909_04.9C10.C19.o5.tm	Method	TBLASTX:Maize
Start	24956	End	45771
GI	none	Score	230
Exons	24956..25084, 24957..25088, 24957..25088, 24958..25089, 24958..25089, 25076..25120, 25082..25120, 25121..25144, 25122..25148, 25122..25148, 25151..25960, 25156..25962, 25157..25939, 45417..45734, 45418..45771, 45420..45770		

Seq. No.	31932	Seq. ID	OJ990909_04.9C10.C19
Gene No.	66062	Strand	-
Start	45684	End	48873
Name	OJ990909_04.9C10.C19.o17.ts	Method	TBLASTX:Soybean
Start	25427	End	25917
GI	none	Score	374
Exons	25427..25855, 25437..25856, 25438..25875, 25684..25875, 25894..25917		

Seq. No.	31932	Seq. ID	OJ990909_04.9C10.C19
Gene No.	66062	Strand	-
Start	45684	End	48873
Name	OJ990909_04.9C10.C19.o18.tc	Method	TBLASTX:Cress

Start	25445	End	25875
GI	none	Score	351
Exons	25445..25855, 25446..25856, 25489..25875		

Seq. No.	31932	Seq. ID	OJ990909_04.9C10.C19
Gene No.	66062	Strand	-
Start	45684	End	48873
Name	OJ990909_04.9C10.C19.o25.tm	Method	TBLASTX:Maize
Start	26173	End	26463
GI	none	Score	167
Exons	26173..26289, 26173..26289, 26280..26462, 26292..26459, 26293..26463		

Seq. No.	31932	Seq. ID	OJ990909_04.9C10.C19
Gene No.	66062	Strand	-
Start	45684	End	48873
Name	OJ990909_04.9C10.C19.o40.tc	Method	TBLASTX:Cress
Start	26342	End	26621
GI	none	Score	166
Exons	26342..26614, 26355..26621		

Seq. No.	31932	Seq. ID	OJ990909_04.9C10.C19
Gene No.	66062	Strand	-
Start	45684	End	48873
Name	OJ990909_04.9C10.C19.o10.tc	Method	TBLASTX:Cress
Start	26798	End	27348
GI	none	Score	206
Exons	26798..26944, 26799..26966, 26804..26923, 26805..26945, 26940..27344, 26943..27344, 26984..27340, 27133..27348		

Seq. No.	31932	Seq. ID	OJ990909_04.9C10.C19
Gene No.	66062	Strand	-
Start	45684	End	48873
Name	OJ990909_04.9C10.C19.o6.tw	Method	TBLASTX:Wheat
Start	26906	End	27336
GI	none	Score	691
Exons	26906..26950, 26907..27335, 26907..27335, 27133..27336		

Seq. No.	31932	Seq. ID	OJ990909_04.9C10.C19
Gene No.	66062	Strand	-
Start	45684	End	48873
Name	OJ990909_04.9C10.C19.o40.tm	Method	TBLASTX:Maize
Start	26943	End	27152
GI	none	Score	221
Exons	26943..27083, 26944..27081, 27087..27152		

Seq. No.	31932	Seq. ID	OJ990909_04.9C10.C19
Gene No.	66062	Strand	-
Start	45684	End	48873
Name	OJ990909_04.9C10.C19.o12.ts	Method	TBLASTX:Soybean
Start	27015	End	27459
GI	none	Score	694
Exons	27015..27455, 27016..27459, 27016..27321, 27017..27454, 27358..27459		

Seq. No.	31932	Seq. ID	OJ990909_04.9C10.C19
Gene No.	66062	Strand	-

Start	45684	End	48873
Name	OJ990909_04.9C10.C19.o22.tm	Method	TBLASTX:Maize
Start	27155	End	27469
GI	none	Score	567
Exons	27155..27469, 27156..27467		

Seq. No.	31932	Seq. ID	OJ990909_04.9C10.C19
Gene No.	66062	Strand	-
Start	45684	End	48873
Name	OJ990909_04.9C10.C19.o12.tc	Method	TBLASTX:Cress
Start	27350	End	27758
GI	none	Score	686
Exons	27350..27538, 27351..27758, 27351..27758		

Seq. No.	31932	Seq. ID	OJ990909_04.9C10.C19
Gene No.	66062	Strand	-
Start	45684	End	48873
Name	OJ990909_04.9C10.C19.o4.tc	Method	TBLASTX:Cress
Start	27843	End	30489
GI	none	Score	75
Exons	27843..27926, 27846..27923, 27847..27927, 27848..27928, 27960..28040, 27960..28040, 28039..28161, 28040..28132, 28196..28390, 28197..28400, 28200..28394, 28401..28427, 28402..28440, 28434..28607, 28439..28669, 28440..28682, 28647..28673, 28753..28779, 29610..30104, 29613..30260, 29615..30277, 29621..30259, 30144..30260, 30313..30384, 30315..30383, 30318..30392, 30436..30489, 30436..30489		

Seq. No.	31932	Seq. ID	OJ990909_04.9C10.C19
Gene No.	66062	Strand	-
Start	45684	End	48873
Name	OJ990909_04.9C10.C19.o18.ts	Method	TBLASTX:Soybean
Start	28129	End	28805
GI	none	Score	209
Exons	28129..28155, 28166..28345, 28188..28346, 28194..28346, 28382..28441, 28393..28431, 28434..28607, 28439..28669, 28439..28669, 28446..28682, 28647..28673, 28754..28804, 28755..28805		

Seq. No.	31932	Seq. ID	OJ990909_04.9C10.C19
Gene No.	66062	Strand	-
Start	45684	End	48873
Name	OJ990909_04.9C10.C19.o11.tm	Method	TBLASTX:Maize
Start	28212	End	28976
GI	none	Score	785
Exons	28212..28718, 28212..28607, 28363..28725, 28436..28723, 28624..28734, 28703..28780, 28714..28779, 28714..28785, 28755..28784, 28772..28822, 28772..28822, 28773..28823, 28813..28944, 28824..28856, 28828..28908, 28902..28943, 28950..28976		

Seq. No.	31932	Seq. ID	OJ990909_04.9C10.C19
Gene No.	66062	Strand	-
Start	45684	End	48873
Name	OJ990909_04.9C10.C19.o28.tw	Method	TBLASTX:Wheat
Start	28294	End	28543
GI	none	Score	254

Exons	28294..28461, 28296..28463, 28462..28530, 28463..28531, 28463..28543, 28464..28532, 28465..28533		
Seq. No.	31932	Seq. ID	OJ990909_04.9C10.C19
Gene No.	66062	Strand	-
Start	45684	End	48873
Name	OJ990909_04.9C10.C19.o4.ts	Method	TBLASTX:Soybean
Start	29152	End	30352
GI	none	Score	57
Exons	29152..29205, 29212..29250, 29531..29575, 29532..29594, 29532..29591, 29571..30287, 29583..30104, 29621..30286, 30153..30287, 30316..30345, 30317..30352		
Seq. No.	31932	Seq. ID	OJ990909_04.9C10.C19
Gene No.	66062	Strand	-
Start	45684	End	48873
Name	OJ990909_04.9C10.C19.o13.tm	Method	TBLASTX:Maize
Start	29616	End	30260
GI	none	Score	967
Exons	29616..30260, 29619..30086, 29678..30259		
Seq. No.	31932	Seq. ID	OJ990909_04.9C10.C19
Gene No.	66062	Strand	-
Start	45684	End	48873
Name	OJ990909_04.9C10.C19.o34.tm	Method	TBLASTX:Maize
Start	30426	End	30666
GI	none	Score	290
Exons	30426..30620, 30427..30621, 30427..30618, 30622..30666, 30623..30664		
Seq. No.	31932	Seq. ID	OJ990909_04.9C10.C19
Gene No.	66062	Strand	-
Start	45684	End	48873
Name	OJ990909_04.9C10.C19.o8.ts	Method	TBLASTX:Soybean
Start	30575	End	32137
GI	none	Score	75
Exons	30575..30667, 30575..30694, 30670..30816, 30726..30815, 30832..30858, 30935..30982, 30941..30982, 31094..31549, 31112..31681, 31119..31658, 31119..31685, 31129..31683, 31589..31687, 31706..31786, 31729..31785, 31940..32113, 31941..32117, 31943..32137		
Seq. No.	31932	Seq. ID	OJ990909_04.9C10.C19
Gene No.	66062	Strand	-
Start	45684	End	48873
Name	OJ990909_04.9C10.C19.o26.tc	Method	TBLASTX:Cress
Start	31112	End	31358
GI	none	Score	367
Exons	31112..31357, 31125..31358		
Seq. No.	31932	Seq. ID	OJ990909_04.9C10.C19
Gene No.	66062	Strand	-
Start	45684	End	48873
Name	OJ990909_04.9C10.C19.o30.tc	Method	TBLASTX:Cress
Start	31359	End	31564
GI	none	Score	316
Exons	31359..31562, 31361..31564		

Seq. No.	31932	Seq. ID	OJ990909_04.9C10.C19
Gene No.	66062	Strand	-
Start	45684	End	48873
Name	OJ990909_04.9C10.C19.o33.tc	Method	TBLASTX:Cress
Start	31964	End	32406
GI	none	Score	36
Exons	31964..32029, 32015..32053, 32020..32058, 32070..32114, 32157..32393, 32166..32393, 32212..32406, 32228..32386, 32264..32395, 32275..32406		

Seq. No.	31932	Seq. ID	OJ990909_04.9C10.C19
Gene No.	66062	Strand	-
Start	45684	End	48873
Name	OJ990909_04.9C10.C19.o7.ts	Method	TBLASTX:Soybean
Start	32157	End	32921
GI	none	Score	523
Exons	32157..32867, 32157..32921, 32164..32892, 32228..32914		

Seq. No.	31932	Seq. ID	OJ990909_04.9C10.C19
Gene No.	66062	Strand	-
Start	45684	End	48873
Name	OJ990909_04.9C10.C19.o17.tm	Method	TBLASTX:Maize
Start	32355	End	32829
GI	none	Score	587
Exons	32355..32828, 32355..32828, 32356..32829		

Seq. No.	31932	Seq. ID	OJ990909_04.9C10.C19
Gene No.	66062	Strand	-
Start	45684	End	48873
Name	OJ990909_04.9C10.C19.o17.tc	Method	TBLASTX:Cress
Start	32649	End	33236
GI	none	Score	139
Exons	32649..32921, 32652..32867, 32653..32892, 32904..32963, 32936..32980, 32936..32980, 32941..32982, 32963..33136, 32969..33103, 32973..33137, 32977..33138, 32977..33147, 33006..33161, 33138..33236, 33140..33235		

Seq. No.	31932	Seq. ID	OJ990909_04.9C10.C19
Gene No.	66062	Strand	-
Start	45684	End	48873
Name	OJ990909_04.9C10.C19.o42.tm	Method	TBLASTX:Maize
Start	32837	End	33099
GI	none	Score	51
Exons	32837..32911, 32856..32915, 32857..32895, 32858..32911, 32965..33093, 32978..33094, 32978..33094, 32980..33099, 33006..33098		

Seq. No.	31932	Seq. ID	OJ990909_04.9C10.C19
Gene No.	66062	Strand	-
Start	45684	End	48873
Name	OJ990909_04.9C10.C19.o26.tm	Method	TBLASTX:Maize
Start	33116	End	33404
GI	none	Score	188
Exons	33116..33229, 33117..33233, 33117..33233, 33232..33402, 33233..33403, 33234..33404		

Seq. No.	31932	Seq. ID	OJ990909_04.9C10.C19
Gene No.	66062	Strand	-
Start	45684	End	48873
Name	OJ990909_04.9C10.C19.o31.ts	Method	TBLASTX:Soybean
Start	33191	End	33443
GI	none	Score	91
Exons	33191..33283, 33191..33361, 33192..33362, 33201..33362, 33202..33363, 33342..33443, 33343..33435, 33347..33436		

Seq. No.	31932	Seq. ID	OJ990909_04.9C10.C19
Gene No.	66062	Strand	-
Start	45684	End	48873
Name	OJ990909_04.9C10.C19.o3.tm	Method	TBLASTX:Maize
Start	33405	End	34921
GI	none	Score	83
Exons	33405..33458, 33405..33455, 33428..33511, 33429..33509, 33448..33510, 33460..33537, 33467..33538, 33522..33539, 33556..33795, 33559..33780, 33803..34081, 33819..34082, 33823..34083, 33831..33881, 33855..34133, 33866..34144, 34088..34129, 34089..34127, 34091..34171, 34179..34223, 34184..34237, 34186..34236, 34255..34338, 34256..34903, 34256..34786, 34275..34919, 34486..34920, 34859..34921		

Seq. No.	31932	Seq. ID	OJ990909_04.9C10.C19
Gene No.	66062	Strand	-
Start	45684	End	48873
Name	OJ990909_04.9C10.C19.o32.ts	Method	TBLASTX:Soybean
Start	33888	End	34077
GI	none	Score	174
Exons	33888..34073, 33889..34077		

Seq. No.	31932	Seq. ID	OJ990909_04.9C10.C19
Gene No.	66062	Strand	-
Start	45684	End	48873
Name	OJ990909_04.9C10.C19.o9.tw	Method	TBLASTX:Wheat
Start	34179	End	34637
GI	none	Score	45
Exons	34179..34223, 34185..34223, 34186..34236, 34234..34254, 34256..34630, 34275..34628, 34275..34637, 34360..34629		

Seq. No.	31932	Seq. ID	OJ990909_04.9C10.C19
Gene No.	66062	Strand	-
Start	45684	End	48873
Name	OJ990909_04.9C10.C19.o19.tc	Method	TBLASTX:Cress
Start	34268	End	34788
GI	none	Score	156
Exons	34268..34480, 34271..34441, 34275..34472, 34475..34684, 34488..34682, 34497..34691, 34502..34690, 34706..34747, 34707..34739, 34750..34788		

Seq. No.	31932	Seq. ID	OJ990909_04.9C10.C19
Gene No.	66062	Strand	-
Start	45684	End	48873
Name	OJ990909_04.9C10.C19.o3.ts	Method	TBLASTX:Soybean
Start	34268	End	39973
GI	none	Score	158
Exons	34268..34432, 34268..34480, 34275..34484, 34275..34502,		

34475..34681, 34491..34682, 34495..34803, 34497..34718,
34716..34742, 34759..34824, 34810..35112, 34821..35111,
34930..35124, 35100..35201, 35107..35226, 35287..35520,
35303..35665, 35303..35698, 35317..35706, 35322..35708,
35569..35703, 36932..37312, 36933..37301, 37316..37423,
37487..37636, 37487..37636, 37488..37646, 37546..37641,
37631..37660, 38241..38393, 38245..38478, 38255..38479,
38483..38509, 38484..38507, 38704..39048, 38757..39047,
38758..39087, 38813..39052, 38993..39202, 39020..39217,
39120..39218, 39189..39335, 39204..39302, 39294..39338,
39296..39337, 39297..39338, 39338..39517, 39340..39516,
39341..39568, 39522..39599, 39523..39600, 39578..39973,
39592..39885

Seq. No.	31932	Seq. ID	OJ990909_04.9C10.C19
Gene No.	66062	Strand	-
Start	45684	End	48873
Name	OJ990909_04.9C10.C19.o21.tw	Method	TBLASTX:Wheat
Start	34709	End	35073
GI	none	Score	60
Exons	34709..34744, 34709..34744, 34718..34786, 34728..34784, 34730..34786, 34795..35073, 34795..35070, 34812..35072		

Seq. No.	31932	Seq. ID	OJ990909_04.9C10.C19
Gene No.	66062	Strand	-
Start	45684	End	48873
Name	OJ990909_04.9C10.C19.o24.tc	Method	TBLASTX:Cress
Start	34814	End	35201
GI	none	Score	114
Exons	34814..35014, 34815..35018, 34822..35019, 35019..35066, 35019..35111, 35020..35112, 35087..35119, 35100..35201, 35107..35199		

Seq. No.	31932	Seq. ID	OJ990909_04.9C10.C19
Gene No.	66062	Strand	-
Start	45684	End	48873
Name	OJ990909_04.9C10.C19.o12.tm	Method	TBLASTX:Maize
Start	34962	End	36801
GI	none	Score	75
Exons	34962..35006, 34963..35007, 34963..35007, 35007..35342, 35007..35708, 35008..35703, 36745..36801		

Seq. No.	31932	Seq. ID	OJ990909_04.9C10.C19
Gene No.	66062	Strand	-
Start	45684	End	48873
Name	OJ990909_04.9C10.C19.o14.tw	Method	TBLASTX:Wheat
Start	35226	End	35617
GI	none	Score	80
Exons	35226..35279, 35227..35280, 35228..35278, 35230..35283, 35233..35616, 35234..35617		

Seq. No.	31932	Seq. ID	OJ990909_04.9C10.C19
Gene No.	66062	Strand	-
Start	45684	End	48873
Name	OJ990909_04.9C10.C19.o20.tc	Method	TBLASTX:Cress
Start	35235	End	35708
GI	none	Score	48

Exons	35235..35267, 35341..35406, 35386..35706, 35387..35662, 35397..35708, 35401..35700		
Seq. No.	31932	Seq. ID	OJ990909_04.9C10.C19
Gene No.	66062	Strand	-
Start	45684	End	48873
Name	OJ990909_04.9C10.C19.o25.tw	Method	TBLASTX:Wheat
Start	35649	End	43800
GI	none	Score	131
Exons	35649..35723, 35650..35724, 35650..35724, 35694..35819, 35720..35824, 35724..35819, 35729..35854, 35838..35861, 35839..35904, 35840..35863, 35862..35909, 35894..35974, 35905..35967, 36021..36053, 36022..36054, 43714..43800		
Seq. No.	31932	Seq. ID	OJ990909_04.9C10.C19
Gene No.	66062	Strand	-
Start	45684	End	48873
Name	OJ990909_04.9C10.C19.o31.tm	Method	TBLASTX:Maize
Start	36018	End	36341
GI	none	Score	352
Exons	36018..36266, 36019..36267, 36026..36337, 36029..36322, 36273..36341		
Seq. No.	31932	Seq. ID	OJ990909_04.9C10.C19
Gene No.	66062	Strand	-
Start	45684	End	48873
Name	OJ990909_04.9C10.C19.o22.tc	Method	TBLASTX:Cress
Start	36057	End	37291
GI	none	Score	49
Exons	36057..36098, 36065..36085, 36117..36179, 36135..36179, 36172..36261, 36176..36268, 36389..36415, 36411..36455, 36564..36626, 36737..36778, 36748..36795, 36868..37110, 36875..37246, 36917..37291, 36918..37274		
Seq. No.	31932	Seq. ID	OJ990909_04.9C10.C19
Gene No.	66062	Strand	-
Start	45684	End	48873
Name	OJ990909_04.9C10.C19.o12.tw	Method	TBLASTX:Wheat
Start	36141	End	36775
GI	none	Score	71
Exons	36141..36203, 36141..36299, 36142..36291, 36143..36319, 36266..36352, 36267..36353, 36276..36350, 36289..36351, 36338..36451, 36347..36454, 36354..36455, 36461..36670, 36467..36580, 36469..36648, 36528..36698, 36538..36708, 36552..36698, 36728..36775, 36742..36774		
Seq. No.	31932	Seq. ID	OJ990909_04.9C10.C19
Gene No.	66062	Strand	-
Start	45684	End	48873
Name	OJ990909_04.9C10.C19.o32.tm	Method	TBLASTX:Maize
Start	36382	End	36705
GI	none	Score	59
Exons	36382..36411, 36383..36415, 36408..36449, 36408..36455, 36412..36450, 36413..36670, 36413..36583, 36540..36698, 36541..36648, 36544..36705, 36552..36686, 36638..36697		
Seq. No.	31932	Seq. ID	OJ990909_04.9C10.C19

Gene No.	66062	Strand	-
Start	45684	End	48873
Name	OJ990909_04.9C10.C19.o4.tm	Method	TBLASTX:Maize
Start	36845	End	38607
GI	none	Score	37
Exons	36845..36877, 36854..37426, 36856..37074, 36869..37267, 36876..37424, 37319..37426, 37379..37657, 37421..37660, 37428..37658, 37640..38098, 37652..38098, 37671..38099, 38046..38159, 38090..38164, 38107..38163, 38109..38213, 38178..38396, 38197..38511, 38206..38475, 38213..38512, 38442..38516, 38448..38516, 38477..38566, 38503..38562, 38505..38606, 38505..38606, 38518..38607		

Seq. No.	31932	Seq. ID	OJ990909_04.9C10.C19
Gene No.	66062	Strand	-
Start	45684	End	48873
Name	OJ990909_04.9C10.C19.o2.tw	Method	TBLASTX:Wheat
Start	37326	End	38096
GI	none	Score	134
Exons	37326..37460, 37328..37660, 37328..37657, 37691..38089, 37697..38092, 37698..38096		

Seq. No.	31932	Seq. ID	OJ990909_04.9C10.C19
Gene No.	66062	Strand	-
Start	45684	End	48873
Name	OJ990909_04.9C10.C19.o23.tc	Method	TBLASTX:Cress
Start	37522	End	38038
GI	none	Score	129
Exons	37522..37620, 37523..37633, 37524..37634, 37530..37634, 37537..37635, 37684..37791, 37706..38002, 37715..38038		

Seq. No.	31932	Seq. ID	OJ990909_04.9C10.C19
Gene No.	66062	Strand	-
Start	45684	End	48873
Name	OJ990909_04.9C10.C19.o28.ts	Method	TBLASTX:Soybean
Start	37713	End	38041
GI	none	Score	137
Exons	37713..38003, 37715..38041, 37727..38008		

Seq. No.	31932	Seq. ID	OJ990909_04.9C10.C19
Gene No.	66062	Strand	-
Start	45684	End	48873
Name	OJ990909_04.9C10.C19.o15.tc	Method	TBLASTX:Cress
Start	38380	End	39268
GI	none	Score	92
Exons	38380..38478, 38383..38472, 38618..38668, 38619..38669, 38619..38696, 38620..38676, 38670..38699, 38670..38699, 38671..38700, 38756..38923, 38757..38876, 38757..38924, 38758..38925, 38758..38928, 38813..38929, 38939..39187, 38943..39182, 38951..39268, 39120..39188		

Seq. No.	31932	Seq. ID	OJ990909_04.9C10.C19
Gene No.	66062	Strand	-
Start	45684	End	48873
Name	OJ990909_04.9C10.C19.o8.tm	Method	TBLASTX:Maize
Start	38789	End	39618
GI	none	Score	1254

Exons	38789..39610, 38790..39611, 38813..39613, 39247..39618		
Seq. No.	31932	Seq. ID	OJ990909_04.9C10.C19
Gene No.	66062	Strand	-
Start	45684	End	48873
Name	OJ990909_04.9C10.C19.o16.tw	Method	TBLASTX:Wheat
Start	38930	End	39236
GI	none	Score	448
Exons	38930..39235, 38930..39235, 39120..39236		
Seq. No.	31932	Seq. ID	OJ990909_04.9C10.C19
Gene No.	66062	Strand	-
Start	45684	End	48873
Name	OJ990909_04.9C10.C19.o29.tw	Method	TBLASTX:Wheat
Start	40590	End	40817
GI	none	Score	104
Exons	40590..40649, 40592..40648, 40656..40817, 40671..40817		
Seq. No.	31932	Seq. ID	OJ990909_04.9C10.C19
Gene No.	66062	Strand	-
Start	45684	End	48873
Name	OJ990909_04.9C10.C19.o28.tc	Method	TBLASTX:Cress
Start	40971	End	41379
GI	none	Score	61
Exons	40971..41015, 40975..41010, 41002..41163, 41016..41165, 41017..41163, 41127..41165, 41150..41245, 41160..41246, 41160..41273, 41161..41247, 41248..41379, 41250..41330, 41257..41337		
Seq. No.	31932	Seq. ID	OJ990909_04.9C10.C19
Gene No.	66062	Strand	-
Start	45684	End	48873
Name	OJ990909_04.9C10.C19.o33.ts	Method	TBLASTX:Soybean
Start	41327	End	41506
GI	none	Score	52
Exons	41327..41356, 41329..41352, 41362..41502, 41366..41506		
Seq. No.	31932	Seq. ID	OJ990909_04.9C10.C19
Gene No.	66062	Strand	-
Start	45684	End	48873
Name	OJ990909_04.9C10.C19.o19.tw	Method	TBLASTX:Wheat
Start	42675	End	43161
GI	none	Score	92
Exons	42675..42752, 42675..42752, 42676..42753, 42754..42810, 42754..42810, 42785..42865, 42790..42867, 42792..42869, 42801..42863, 42817..42882, 42827..42895, 42828..42869, 42855..42875, 42880..42930, 42880..42921, 42881..42973, 42881..42931, 42920..43159, 42927..43160, 42927..43160, 43114..43161		
Seq. No.	31932	Seq. ID	OJ990909_04.9C10.C19
Gene No.	66062	Strand	-
Start	45684	End	48873
Name	OJ990909_04.9C10.C19.o14.ts	Method	TBLASTX:Soybean
Start	42956	End	43449
GI	none	Score	684
Exons	42956..43447, 42966..43364, 42968..43447, 43114..43449,		

43327..43449

Seq. No.	31932	Seq. ID	OJ990909_04.9C10.C19
Gene No.	66062	Strand	-
Start	45684	End	48873
Name	OJ990909_04.9C10.C19.o25.ts	Method	TBLASTX:Soybean
Start	44655	End	44881
GI	none	Score	347
Exons	44655..44879, 44657..44881, 44657..44881		

Seq. No.	31932	Seq. ID	OJ990909_04.9C10.C19
Gene No.	66062	Strand	-
Start	45684	End	48873
Name	OJ990909_04.9C10.C19.o16.ts	Method	TBLASTX:Soybean
Start	44882	End	45334
GI	none	Score	448
Exons	44882..45199, 44882..45199, 44886..45200, 45187..45264, 45187..45261, 45204..45263, 45217..45333, 45219..45332, 45248..45334		

Seq. No.	31932	Seq. ID	OJ990909_04.9C10.C19
Gene No.	66062	Strand	-
Start	45684	End	48873
Name	OJ990909_04.9C10.C19.o10.ts	Method	TBLASTX:Soybean
Start	45447	End	46171
GI	none	Score	59
Exons	45447..45494, 45450..45491, 45490..45720, 45494..45739, 45495..45734, 45745..46053, 45746..45991, 45792..45992, 46008..46052, 46044..46166, 46046..46171, 46046..46171		

Seq. No.	31932	Seq. ID	OJ990909_04.9C10.C19
Gene No.	66062	Strand	-
Start	45684	End	48873
Name	OJ990909_04.9C10.C19.o16.tc	Method	TBLASTX:Cress
Start	45459	End	45981
GI	none	Score	47
Exons	45459..45494, 45462..45491, 45494..45739, 45495..45722, 45496..45747, 45744..45866, 45745..45858, 45746..45880, 45858..45884, 45874..45981, 45876..45968		

Seq. No.	31932	Seq. ID	OJ990909_04.9C10.C19
Gene No.	66062	Strand	-
Start	45684	End	48873
Name	OJ990909_04.9C10.C19.o23.gp	Method	AAT/GAP
Start	45684	End	47653
GI	183_5.R1084	Score	2766
Exons	45684..46068, 46609..47653		
GI Descrip.	'133999/sp\|P05424\|RR7_ORYSA 1.0e-48 CHLOROPLAST 30S RIBOSOMAL PROTEIN S7 >gi_70904_pir__R3RZ7 ribosomal protein S7 - rice chloroplast >gi_12037_emb_CAA33942_ (X15901) ribosomal protein S7 [Oryza sativa] >gi_12065_emb_CAA33919_ (X15901) ribosomal protein S7 [Oryza sativa] >gi_226657_prf__1603356CH ribosomal protein S7 [Oryza sativa]'		

Seq. No.	31932	Seq. ID	OJ990909_04.9C10.C19
Gene No.	66062	Strand	-
Start	45684	End	48873

Name	OJ990909_04.9C10.C19.o27.tw	Method	TBLASTX:Wheat
Start	45848	End	46067
GI	none	Score	99
Exons	45848..45958, 45851..45931, 45852..45935, 45915..46046, 45917..46030, 46034..46066, 46035..46067		

Seq. No.	31932	Seq. ID	OJ990909_04.9C10.C19
Gene No.	66062	Strand	-
Start	45684	End	48873
Name	OJ990909_04.9C10.C19.o39.tc	Method	TBLASTX:Cress
Start	46028	End	46188
GI	none	Score	194
Exons	46028..46183, 46039..46149, 46046..46183, 46047..46187, 46048..46188		

Seq. No.	31932	Seq. ID	OJ990909_04.9C10.C19
Gene No.	66062	Strand	-
Start	45684	End	48873
Name	OJ990909_04.9C10.C19.o10.tw	Method	TBLASTX:Wheat
Start	46443	End	46853
GI	none	Score	42
Exons	46443..46502, 46494..46853, 46509..46850		

Seq. No.	31932	Seq. ID	OJ990909_04.9C10.C19
Gene No.	66062	Strand	-
Start	45684	End	48873
Name	OJ990909_04.9C10.C19.o21.ts	Method	TBLASTX:Soybean
Start	46733	End	47846
GI	none	Score	308
Exons	46733..46933, 46734..46940, 46734..46934, 46917..47039, 46949..47044, 46950..47039, 46996..47046, 47003..47050, 47066..47101, 47070..47102, 47102..47143, 47109..47144, 47132..47194, 47267..47332, 47268..47333, 47269..47334, 47327..47353, 47328..47354, 47361..47465, 47388..47465, 47473..47565, 47492..47548, 47580..47618, 47679..47837, 47680..47835, 47681..47845, 47706..47846		

Seq. No.	31932	Seq. ID	OJ990909_04.9C10.C19
Gene No.	66062	Strand	-
Start	45684	End	48873
Name	OJ990909_04.9C10.C19.o42.tc	Method	TBLASTX:Cress
Start	47271	End	47492
GI	none	Score	40
Exons	47271..47306, 47296..47337, 47308..47340, 47330..47467, 47331..47474, 47332..47475, 47332..47463, 47333..47464, 47469..47492		

Seq. No.	31932	Seq. ID	OJ990909_04.9C10.C19
Gene No.	66062	Strand	-
Start	45684	End	48873
Name	OJ990909_04.9C10.C19.o5.tc	Method	TBLASTX:Cress
Start	47493	End	48873
GI	none	Score	110
Exons	47493..47588, 47493..47579, 47586..47612, 47586..47612, 47588..47617, 47679..47825, 47686..47817, 47720..47818, 47872..47949, 47873..47953, 47874..47954, 47946..48017, 47949..48017, 47950..48018, 47973..48080, 48019..48081,		

48077..48208, 48097..48213, 48099..48206, 48103..48261, 48153..48260, 48202..48261, 48279..48326, 48280..48456, 48281..48463, 48364..48465, 48366..48464, 48490..48549, 48492..48551, 48503..48556, 48558..48674, 48560..48676, 48644..48769, 48653..48760, 48672..48767, 48676..48768, 48682..48774, 48768..48794, 48768..48794, 48769..48795, 48772..48807, 48796..48873, 48798..48872

Seq. No.	31932	Seq. ID	OJ990909_04.9C10.C19
Gene No.	66062	Strand	-
Start	45684	End	48873
Name	OJ990909_04.9C10.C19.o26.tw	Method	TBLASTX:Wheat
Start	48578	End	48873
GI	none	Score	76
Exons	48578..48673, 48578..48655, 48644..48715, 48653..48715, 48672..48716, 48685..48726, 48689..48775, 48711..48776, 48762..48839, 48779..48835, 48780..48836, 48838..48873, 48840..48872		

Seq. No.	31933	Seq. ID	OJ990909_04.9C10.C20
Gene No.	66063	Strand	-
Start	124	End	771
Name	OJ990909_04.9C10.C20.o2.tc	Method	TBLASTX:Cress
Start	1	End	244
GI	none	Score	114
Exons	1..114, 1..72, 2..73, 63..242, 71..244, 97..243		

Seq. No.	31933	Seq. ID	OJ990909_04.9C10.C20
Gene No.	66063	Strand	-
Start	124	End	771
Name	OJ990909_04.9C10.C20.o1.ts	Method	TBLASTX:Soybean
Start	7	End	643
GI	none	Score	324
Exons	7..267, 9..251, 243..371, 246..380, 250..396, 253..375, 296..376, 365..571, 366..557, 373..561, 513..641, 556..642, 557..643, 557..643		

Seq. No.	31933	Seq. ID	OJ990909_04.9C10.C20
Gene No.	66063	Strand	-
Start	124	End	771
Name	OJ990909_04.9C10.C20.o1.gp	Method	AAT/GAP
Start	124	End	771
GI	688_1.R1084	Score	1280
Exons	124..771		
GI Descrip.	'226661/prf\|\|1603356CM 6.0e-54 trnA intron ORF 109 [Oryza sativa]'		

Seq. No.	31933	Seq. ID	OJ990909_04.9C10.C20
Gene No.	66063	Strand	-
Start	124	End	771
Name	OJ990909_04.9C10.C20.o1.tc	Method	TBLASTX:Cress
Start	257	End	631
GI	none	Score	155
Exons	257..370, 259..369, 296..370, 366..560, 367..561, 368..571, 556..630, 557..631		

Seq. No.	31934	Seq. ID	OJ990909_04.9C10.C21

Gene No.	66064	Strand	
Start	2	End	174
Name	OJ990909_04.9C10.C21.o1.tc	Method	TBLASTX:Cress
Start	2	End	174
GI	none	Score	38
Exons	2..22, 3..26, 23..91, 33..98, 35..97, 99..173, 100..174, 100..174		

Seq. No.	31935	Seq. ID	OJ990909_04.9C10.C22
Gene No.	66065	Strand	
Start	1	End	321
Name	OJ990909_04.9C10.C22.o1.ts	Method	TBLASTX:Soybean
Start	1	End	321
GI	none	Score	75
Exons	1..48, 3..50, 143..232, 145..234, 148..234, 149..235, 238..321, 239..319		

Seq. No.	31935	Seq. ID	OJ990909_04.9C10.C22
Gene No.	66065	Strand	
Start	1	End	321
Name	OJ990909_04.9C10.C22.o1.tm	Method	TBLASTX:Maize
Start	27	End	307
GI	none	Score	364
Exons	27..254, 27..236, 29..265, 29..253, 210..305, 232..306, 233..307, 235..306		

Seq. No.	31936	Seq. ID	OJ990909_04.9C10.C23
Gene No.	66066	Strand	+
Start	249	End	842
Name	OJ990909_04.9C10.C23.o1.gp	Method	AAT/GAP
Start	249	End	842
GI	2409_1.R1084	Score	1158
Exons	249..842		
GI Descrip.	'128690/sp\|P12126\|NU3C_ORYSA 2.0e-56 NADH-PLASTOQUINONE OXIDOREDUCTASE CHAIN 3, CHLOROPLAST >gi_66161_pir__DERZN3 NADH dehydrogenase (ubiquinone) (EC 1.6.5.3) chain 3 - rice chloroplast >gi_11989_emb_CAA34001_ (X15901) ndhC; NADH dehydrogenase ND3 [Oryza sativa] >gi_226610_prf__1603356AG NADH dehydrogenase ND3 [Oryza sativa]'		

Seq. No.	31936	Seq. ID	OJ990909_04.9C10.C23
Gene No.	66066	Strand	+
Start	249	End	842
Name	OJ990909_04.9C10.C23.o1.tm	Method	TBLASTX:Maize
Start	249	End	840
GI	none	Score	338
Exons	249..431, 250..444, 250..660, 251..661, 455..661, 663..839, 664..840		

Seq. No.	31936	Seq. ID	OJ990909_04.9C10.C23
Gene No.	66066	Strand	+
Start	249	End	842
Name	OJ990909_04.9C10.C23.o1.tc	Method	TBLASTX:Cress
Start	250	End	562
GI	none	Score	291
Exons	250..558, 251..562, 495..560		

Seq. No.	31936	Seq. ID	OJ990909_04.9C10.C23
Gene No.	66066	Strand	+
Start	249	End	842
Name	OJ990909_04.9C10.C23.o1.ts	Method	TBLASTX:Soybean
Start	250	End	502
GI	none	Score	262
Exons	250..501, 251..502		

Seq. No.	31937	Seq. ID	OJ990909_04.9C10.C24
Gene No.	66067	Strand	
Start	447	End	724
Name	OJ990909_04.9C10.C24.o1.ts	Method	TBLASTX:Soybean
Start	447	End	625
GI	none	Score	79
Exons	447..530, 449..529, 533..619, 534..620, 534..623, 536..625		

Seq. No.	31937	Seq. ID	OJ990909_04.9C10.C24
Gene No.	66067	Strand	
Start	447	End	724
Name	OJ990909_04.9C10.C24.o1.tm	Method	TBLASTX:Maize
Start	461	End	724
GI	none	Score	104
Exons	461..535, 462..533, 462..536, 463..534, 503..724, 504..722, 515..724		

Seq. No.	31938	Seq. ID	OJ990909_04.9C10.C25
Gene No.	66068	Strand	-
Start	1	End	295
Name	OJ990909_04.9C10.C25.o1.gp	Method	AAT/GAP
Start	1	End	295
GI	688_1.R1084	Score	495
Exons	1..295		
GI Descrip.	'226661/prf\|\|1603356CM 6.0e-54 trnA intron ORF 109 [Oryza sativa]'		

Seq. No.	31938	Seq. ID	OJ990909_04.9C10.C25
Gene No.	66069	Strand	-
Start	327	End	495
Name	OJ990909_04.9C10.C25.o1.tc	Method	TBLASTX:Cress
Start	21	End	333
GI	none	Score	60
Exons	21..95, 34..96, 50..121, 51..122, 69..206, 125..205, 157..213, 165..206, 207..332, 208..333, 208..333		

Seq. No.	31938	Seq. ID	OJ990909_04.9C10.C25
Gene No.	66069	Strand	-
Start	327	End	495
Name	OJ990909_04.9C10.C25.o1.ts	Method	TBLASTX:Soybean
Start	125	End	495
GI	none	Score	133
Exons	125..241, 126..206, 157..213, 220..249, 232..285, 245..298, 246..299, 279..374, 288..380, 291..368, 296..370, 381..434, 382..432, 383..445, 383..433, 450..494, 451..495		

Seq. No.	31938	Seq. ID	OJ990909_04.9C10.C25
Gene No.	66069	Strand	-
Start	327	End	495

Name	OJ990909_04.9C10.C25.o2.gp	Method	AAT/GAP
Start	327	End	495
GI	2669_1.R1084	Score	274
Exons	327..495		
GI Descrip.	'3914470/sp\|Q40070\|PSBR_HORVU 8.0e-26 PHOTOSYSTEM II 10 KD POLYPEPTIDE PRECURSOR >gi_1321868_emb_CAA66373_ (X97771) 10kD PSII protein [Hordeum vulgare]'		

Seq. No.	31938	Seq. ID	OJ990909_04.9C10.C25
Gene No.	66069	Strand	-
Start	327	End	495
Name	OJ990909_04.9C10.C25.o1.tm	Method	TBLASTX:Maize
Start	333	End	495
GI	none	Score	218
Exons	333..467, 334..468, 345..470, 399..494, 468..494, 469..495		

Seq. No.	31938	Seq. ID	OJ990909_04.9C10.C25
Gene No.	66069	Strand	-
Start	327	End	495
Name	OJ990909_04.9C10.C25.o2.tc	Method	TBLASTX:Cress
Start	342	End	495
GI	none	Score	228
Exons	342..494, 343..495, 351..494		

Seq. No.	31939	Seq. ID	OJ990909_04.9C10.C26
Gene No.	66070	Strand	-
Start	1	End	401
Name	OJ990909_04.9C10.C26.o1.gp	Method	AAT/GAP
Start	1	End	328
GI	1629_2.R1084	Score	617
Exons	1..328		
GI Descrip.	'1245217/gb\|U49840\|OSU49840 1.0e-170 Oryza sativa subsp. indica large ribosomal RNA gene, chloroplast gene encoding chloroplast rRNA, partial sequence'		

Seq. No.	31939	Seq. ID	OJ990909_04.9C10.C26
Gene No.	66070	Strand	-
Start	1	End	401
Name	OJ990909_04.9C10.C26.o1.ts	Method	TBLASTX:Soybean
Start	1	End	379
GI	none	Score	200
Exons	1..147, 1..78, 2..109, 83..202, 90..206, 100..216, 148..222, 197..379, 212..379		

Seq. No.	31939	Seq. ID	OJ990909_04.9C10.C26
Gene No.	66070	Strand	-
Start	1	End	401
Name	OJ990909_04.9C10.C26.o1.tm	Method	TBLASTX:Maize
Start	2	End	249
GI	none	Score	152
Exons	2..88, 2..112, 3..248, 4..249, 148..249		

Seq. No.	31939	Seq. ID	OJ990909_04.9C10.C26
Gene No.	66070	Strand	-
Start	1	End	401
Name	OJ990909_04.9C10.C26.o1.tc	Method	TBLASTX:Cress
Start	27	End	401

GI	none	Score	42
Exons	27..47, 50..88, 52..216, 54..206, 148..222, 197..400, 205..399, 207..401		

Seq. No.	31939	Seq. ID	OJ990909_04.9C10.C26
Gene No.	66070	Strand	-
Start	1	End	401
Name	OJ990909_04.9C10.C26.o2.tm	Method	TBLASTX:Maize
Start	250	End	361
GI	none	Score	166
Exons	250..360, 251..361		

Seq. No.	31940	Seq. ID	OJ990909_04.9C10.C28
Gene No.	66071	Strand	+
Start	1	End	588
Name	OJ990909_04.9C10.C28.o1.gp	Method	AAT/GAP
Start	1	End	588
GI	306_9.R1084	Score	1060
Exons	1..588		
GI Descrip.	'287391/dbj\|D13111\|RICMT15 1.0e-178 Oryza sativa mitochondrial rpoB pseudogene'		

Seq. No.	31940	Seq. ID	OJ990909_04.9C10.C28
Gene No.	66071	Strand	+
Start	1	End	588
Name	OJ990909_04.9C10.C28.o1.tc	Method	TBLASTX:Cress
Start	1	End	408
GI	none	Score	288
Exons	1..222, 1..198, 3..227, 3..230, 249..272, 267..314, 267..329, 309..356, 310..372, 322..387, 323..394, 379..408		

Seq. No.	31940	Seq. ID	OJ990909_04.9C10.C28
Gene No.	66071	Strand	+
Start	1	End	588
Name	OJ990909_04.9C10.C28.o2.tm	Method	TBLASTX:Maize
Start	72	End	231
GI	none	Score	151
Exons	72..227, 72..230, 73..231		

Seq. No.	31940	Seq. ID	OJ990909_04.9C10.C28
Gene No.	66071	Strand	+
Start	1	End	588
Name	OJ990909_04.9C10.C28.o1.tw	Method	TBLASTX:Wheat
Start	129	End	588
GI	none	Score	149
Exons	129..230, 130..231, 247..582, 249..581, 463..507, 464..508, 556..588, 557..586		

Seq. No.	31940	Seq. ID	OJ990909_04.9C10.C28
Gene No.	66071	Strand	+
Start	1	End	588
Name	OJ990909_04.9C10.C28.o1.tm	Method	TBLASTX:Maize
Start	254	End	588
GI	none	Score	520
Exons	254..586, 258..587, 258..587, 259..588, 259..588, 463..507, 464..508		

Seq. No.	31941	Seq. ID	OJ990909_04.9C10.C29
Gene No.	66072	Strand	+
Start	1	End	58
Name	OJ990909_04.9C10.C29.o1.gp	Method	AAT/GAP
Start	1	End	58
GI	5607605	Score	116
Exons	1..58		
GI Descrip.	11957/emb\|X15901\|CHOSXX 1.0e-158 Rice complete chloroplast genome		

Seq. No.	31942	Seq. ID	OJ990909_04.9C10.C31
Gene No.	66073	Strand	+
Start	1	End	548
Name	OJ990909_04.9C10.C31.o1.gp	Method	AAT/GAP
Start	1	End	521
GI	688_1.R1084	Score	1018
Exons	1..521		
GI Descrip.	'226661/prf\|\|1603356CM 6.0e-54 trnA intron ORF 109 [Oryza sativa]'		

Seq. No.	31942	Seq. ID	OJ990909_04.9C10.C31
Gene No.	66073	Strand	+
Start	1	End	548
Name	OJ990909_04.9C10.C31.o1.ts	Method	TBLASTX:Soybean
Start	2	End	548
GI	none	Score	136
Exons	2..88, 3..89, 4..132, 84..272, 85..273, 88..279, 89..280, 249..395, 265..399, 270..392, 274..402, 378..548, 394..546		

Seq. No.	31942	Seq. ID	OJ990909_04.9C10.C31
Gene No.	66073	Strand	+
Start	1	End	548
Name	OJ990909_04.9C10.C31.o1.tc	Method	TBLASTX:Cress
Start	14	End	388
GI	none	Score	122
Exons	14..88, 15..89, 84..278, 89..277, 275..349, 275..388, 276..386, 277..387		

Seq. No.	31942	Seq. ID	OJ990909_04.9C10.C31
Gene No.	66073	Strand	+
Start	1	End	548
Name	OJ990909_04.9C10.C31.o2.tc	Method	TBLASTX:Cress
Start	402	End	548
GI	none	Score	248
Exons	402..548, 403..546		

Seq. No.	31943	Seq. ID	OJ990929_01.9C17.C3
Gene No.	66074	Strand	-
Start	1	End	446
Name	OJ990929_01.9C17.C3.o1.gp	Method	AAT/GAP
Start	1	End	446
GI	53984_1.R1084	Score	730
Exons	1..446		
GI Descrip.	'6006895/gb\|AAF00670.1\|AC008153_22 8.0e-56 (AC008153) hypothetical protein [Arabidopsis thaliana]'		

Seq. No.	31943	Seq. ID	OJ990929_01.9C17.C3

Gene No.	66074	Strand	-
Start	1	End	446
Name	OJ990929_01.9C17.C3.o1.np	Method	AAT/NAP
Start	10	End	446
GI	6862912	Score	309
Exons	10..446		
GI Descrip.	(AC018907) unknown protein [Arabidopsis thaliana]		

Seq. No.	31943	Seq. ID	OJ990929_01.9C17.C3
Gene No.	66074	Strand	-
Start	1	End	446
Name	OJ990929_01.9C17.C3.o1.ts	Method	TBLASTX:Soybean
Start	77	End	382
GI	none	Score	110
Exons	77..193, 84..158, 191..268, 344..382		

Seq. No.	31943	Seq. ID	OJ990929_01.9C17.C3
Gene No.	66074	Strand	-
Start	1	End	446
Name	OJ990929_01.9C17.C3.o1.tc	Method	TBLASTX:Cress
Start	98	End	439
GI	none	Score	54
Exons	98..205, 119..175, 120..176, 191..280, 344..439, 351..401		

Seq. No.	31943	Seq. ID	OJ990929_01.9C17.C3
Gene No.	66074	Strand	-
Start	1	End	446
Name	OJ990929_01.9C17.C3.o1.tm	Method	TBLASTX:Maize
Start	152	End	439
GI	none	Score	211
Exons	152..439, 153..401		

Seq. No.	31944	Seq. ID	OJ990929_01.9C17.C7
Gene No.	66075	Strand	+
Start	639	End	869
Name	OJ990929_01.9C17.C7.o1.gs	Method	GENSCAN
Start	639	End	869
GI	none	Score	.65
Exons	639..869		

Seq. No.	31944	Seq. ID	OJ990929_01.9C17.C7
Gene No.	66076	Strand	+
Start	844	End	1141
Name	OJ990929_01.9C17.C7.o1.tm	Method	TBLASTX:Maize
Start	216	End	937
GI	none	Score	82
Exons	216..401, 217..402, 233..409, 235..474, 603..791, 629..700, 636..782, 637..855, 788..910, 789..911, 794..937		

Seq. No.	31944	Seq. ID	OJ990929_01.9C17.C7
Gene No.	66076	Strand	+
Start	844	End	1141
Name	OJ990929_01.9C17.C7.o1.gp	Method	AAT/GAP
Start	844	End	1141
GI	none	Score	489
Exons	844..1141		

Seq. No.	31945	Seq. ID	OJ990929_01.9C17.C8
Gene No.	66077	Strand	+
Start	472	End	591
Name	OJ990929_01.9C17.C8.o1.gs	Method	GENSCAN
Start	472	End	591
GI	none	Score	.43
Exons	472..591		

Seq. No.	31946	Seq. ID	OJ990929_01.9C17.C11
Gene No.	66078	Strand	-
Start	1	End	528
Name	OJ990929_01.9C17.C11.o1.np	Method	AAT/NAP
Start	1	End	528
GI	4581156	Score	185
Exons	1..70, 193..343, 476..528		
GI Descrip.	(AC006919) putative pyruvate kinase [Arabidopsis thaliana]		

Seq. No.	31946	Seq. ID	OJ990929_01.9C17.C11
Gene No.	66078	Strand	-
Start	1	End	528
Name	OJ990929_01.9C17.C11.o1.tm	Method	TBLASTX:Maize
Start	207	End	527
GI	none	Score	157
Exons	207..344, 209..379, 214..345, 461..523, 462..527		

Seq. No.	31946	Seq. ID	OJ990929_01.9C17.C11
Gene No.	66078	Strand	-
Start	1	End	528
Name	OJ990929_01.9C17.C11.o1.ts	Method	TBLASTX:Soybean
Start	207	End	517
GI	none	Score	136
Exons	207..344, 209..379, 211..345, 212..346, 452..517, 461..505, 463..513		

Seq. No.	31946	Seq. ID	OJ990929_01.9C17.C11
Gene No.	66078	Strand	-
Start	1	End	528
Name	OJ990929_01.9C17.C11.o1.gs	Method	GENSCAN
Start	212	End	343
GI	none	Score	.96
Exons	212..343		

Seq. No.	31947	Seq. ID	OJ990929_01.9C17.C13
Gene No.	66079	Strand	-
Start	132	End	219
Name	OJ990929_01.9C17.C13.o1.gs	Method	GENSCAN
Start	132	End	219
GI	none	Score	.84
Exons	132..219		

Seq. No.	31948	Seq. ID	OJ990929_01.9C17.C14
Gene No.	66080	Strand	-
Start	1	End	166
Name	OJ990929_01.9C17.C14.o1.gp	Method	AAT/GAP
Start	1	End	166
GI	101153_1.R1084	Score	246
Exons	1..166		

GI Descrip.	'5852170/emb\|AL117265.1\|OST17804 1.0e-115 Oryza sativa indica(GLA4) genomic DNA, chromosome 4, BAC clone:t17804'		
Seq. No.	31949	Seq. ID	OJ990929_01.9C17.C15
Gene No.	66081	Strand	-
Start	1	End	503
Name	OJ990929_01.9C17.C15.o1.np	Method	AAT/NAP
Start	1	End	503
GI	4586602	Score	332
Exons	1..63, 139..283, 462..503		
GI Descrip.	(AB025005) pyruvate kinase [Cicer arietinum]		

Seq. No.	31949	Seq. ID	OJ990929_01.9C17.C15
Gene No.	66081	Strand	-
Start	1	End	503
Name	OJ990929_01.9C17.C15.o1.tc	Method	TBLASTX:Cress
Start	2	End	503
GI	none	Score	94
Exons	2..64, 3..71, 137..271, 150..284, 152..286, 177..290, 450..503, 460..495		

Seq. No.	31949	Seq. ID	OJ990929_01.9C17.C15
Gene No.	66081	Strand	-
Start	1	End	503
Name	OJ990929_01.9C17.C15.o1.tm	Method	TBLASTX:Maize
Start	2	End	503
GI	none	Score	106
Exons	2..64, 3..71, 137..271, 140..286, 141..284, 177..290, 429..503, 460..501, 461..502		

Seq. No.	31949	Seq. ID	OJ990929_01.9C17.C15
Gene No.	66081	Strand	-
Start	1	End	503
Name	OJ990929_01.9C17.C15.o1.ts	Method	TBLASTX:Soybean
Start	2	End	503
GI	none	Score	92
Exons	2..64, 3..71, 137..271, 150..284, 177..290, 193..291, 450..503, 460..495		

Seq. No.	31949	Seq. ID	OJ990929_01.9C17.C15
Gene No.	66081	Strand	-
Start	1	End	503
Name	OJ990929_01.9C17.C15.o1.gs	Method	GENSCAN
Start	139	End	244
GI	none	Score	.98
Exons	139..244		

Seq. No.	31950	Seq. ID	OJ990929_01.9C17.C18
Gene No.	66082	Strand	-
Start	462	End	722
Name	OJ990929_01.9C17.C18.o1.gs	Method	GENSCAN
Start	462	End	722
GI	none	Score	.84
Exons	462..722		

Seq. No.	31951	Seq. ID	OJ990929_01.9C17.C20
Gene No.	66083	Strand	-

Start	1	End	90
Name	OJ990929_01.9C17.C20.o1.gp	Method	AAT/GAP
Start	1	End	90
GI	LIB3432-059-P1-K1-D8	Score	154
Exons	1..90		
GI Descrip.	'5734616/dbj\|AP000391.1\|AP000391 0.0e+00 Oryza sativa genomic DNA, chromosome 6, clone:P0538C01'		

Seq. No.	31952	Seq. ID	OJ990929_01.9C17.C22
Gene No.	66084	Strand	
Start	53	End	224
Name	OJ990929_01.9C17.C22.o1.tm	Method	TBLASTX:Maize
Start	53	End	224
GI	none	Score	132
Exons	53..223, 53..223, 54..224		

Seq. No.	31953	Seq. ID	OJ990929_01.9C17.C23
Gene No.	66085	Strand	+
Start	1095	End	1994
Name	OJ990929_01.9C17.C23.o1.gs	Method	GENSCAN
Start	1095	End	1994
GI	none	Score	.86
Exons	1095..1308, 1405..1994		

Seq. No.	31953	Seq. ID	OJ990929_01.9C17.C23
Gene No.	66086	Strand	+
Start	3726	End	8242
Name	OJ990929_01.9C17.C23.o1.ts	Method	TBLASTX:Soybean
Start	1080	End	1697
GI	none	Score	277
Exons	1080..1307, 1094..1306, 1397..1567, 1404..1568, 1662..1697		

Seq. No.	31953	Seq. ID	OJ990929_01.9C17.C23
Gene No.	66086	Strand	+
Start	3726	End	8242
Name	OJ990929_01.9C17.C23.o1.tc	Method	TBLASTX:Cress
Start	1082	End	1547
GI	none	Score	250
Exons	1082..1318, 1086..1307, 1407..1547, 1433..1546		

Seq. No.	31953	Seq. ID	OJ990929_01.9C17.C23
Gene No.	66086	Strand	+
Start	3726	End	8242
Name	OJ990929_01.9C17.C23.o2.tm	Method	TBLASTX:Maize
Start	1149	End	1543
GI	none	Score	241
Exons	1149..1304, 1152..1307, 1169..1309, 1397..1543, 1404..1535		

Seq. No.	31953	Seq. ID	OJ990929_01.9C17.C23
Gene No.	66086	Strand	+
Start	3726	End	8242
Name	OJ990929_01.9C17.C23.o2.gs	Method	GENSCAN
Start	3726	End	7272
GI	none	Score	.85
Exons	3726..3842, 3931..4015, 4728..4885, 5417..5500, 5630..5733, 6525..6786, 7138..7272		

Seq. No.	31953	Seq. ID	OJ990929_01.9C17.C23
Gene No.	66086	Strand	+
Start	3726	End	8242
Name	OJ990929_01.9C17.C23.o2.np	Method	AAT/NAP
Start	3726	End	8242
GI	6553921	Score	440
Exons	3726..3842, 3931..4015, 4536..4677, 4801..4885, 5417..5486, 5637..5733, 7184..7417, 7640..7697, 8173..8242		
GI Descrip.	(AC012329) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	31953	Seq. ID	OJ990929_01.9C17.C23
Gene No.	66086	Strand	+
Start	3726	End	8242
Name	OJ990929_01.9C17.C23.o1.tm	Method	TBLASTX:Maize
Start	6523	End	7724
GI	none	Score	89
Exons	6523..6633, 6977..7417, 7014..7415, 7036..7416, 7638..7724, 7644..7721		

Seq. No.	31954	Seq. ID	OJ990929_01.9C17.C24
Gene No.	66087	Strand	-
Start	271	End	326
Name	OJ990929_01.9C17.C24.o1.gs	Method	GENSCAN
Start	271	End	326
GI	none	Score	.97
Exons	271..326		

Seq. No.	31955	Seq. ID	OJ990929_01.9C17.C25
Gene No.	66088	Strand	+
Start	1	End	7203
Name	OJ990929_01.9C17.C25.o1.np	Method	AAT/NAP
Start	1	End	1710
GI	6553921	Score	550
Exons	1..69, 149..214, 329..375, 502..1185, 1329..1710		
GI Descrip.	(AC012329) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	31955	Seq. ID	OJ990929_01.9C17.C25
Gene No.	66088	Strand	+
Start	1	End	7203
Name	OJ990929_01.9C17.C25.o1.gs	Method	GENSCAN
Start	329	End	6991
GI	none	Score	.69
Exons	329..375, 458..539, 780..1182, 1329..1603, 2303..2362, 3406..3523, 3731..3893, 4032..4161, 4353..4511, 4632..4801, 4927..5007, 5829..5873, 5934..6683, 6761..6991		

Seq. No.	31955	Seq. ID	OJ990929_01.9C17.C25
Gene No.	66088	Strand	+
Start	1	End	7203
Name	OJ990929_01.9C17.C25.o1.gp	Method	AAT/GAP
Start	1377	End	1728
GI	LIB3434-056-P1-K1-H9	Score	681
Exons	1377..1728		
GI Descrip.	'5042437/gb\|AC007789.1\|AC007789 1.0e-34 Oryza sativa BAC T49B20 genomic sequence, complete sequence'		

Seq. No.	31955	Seq. ID	OJ990929_01.9C17.C25

Gene No.	66088	Strand	+
Start	1	End	7203
Name	OJ990929_01.9C17.C25.o2.np	Method	AAT/NAP
Start	2368	End	5007
GI	4680190	Score	846
Exons	2368..2456, 2587..2646, 3441..3523, 3695..3893, 4032..4161, 4353..4424, 4632..4801, 4927..5007		
GI Descrip.	(AF111710) putative dnaJ-like protein [Oryza sativa subsp. indica]		

Seq. No.	31955	Seq. ID	OJ990929_01.9C17.C25
Gene No.	66088	Strand	+
Start	1	End	7203
Name	OJ990929_01.9C17.C25.o2.gp	Method	AAT/GAP
Start	6143	End	7203
GI	304_1.R1084	Score	1884
Exons	6143..6683, 6761..7203		
GI Descrip.	'231984/sp\|P30287\|DH25_ORYSA 1.0e-64 DEHYDRIN RAB25 >gi_100709_pir__S19132 rab25 protein - rice >gi_20320_emb_CAA40604_ (X57327) rab25 product [Oryza sativa]'		

Seq. No.	31955	Seq. ID	OJ990929_01.9C17.C25
Gene No.	66088	Strand	+
Start	1	End	7203
Name	OJ990929_01.9C17.C25.o3.np	Method	AAT/NAP
Start	6228	End	6988
GI	231984	Score	1152
Exons	6228..6683, 6761..6988		
GI Descrip.	DEHYDRIN RAB25 gi\|100709\|pir\|\|S19132 rab25 protein - rice gi\|20320\|emb\|CAA40604\| (X57327) rab25 product [Oryza sativa]		

Seq. No.	31955	Seq. ID	OJ990929_01.9C17.C25
Gene No.	66089	Strand	+
Start	7372	End	10362
Name	OJ990929_01.9C17.C25.o4.tm	Method	TBLASTX:Maize
Start	7	End	535
GI	none	Score	64
Exons	7..75, 130..216, 137..217, 328..375, 329..376, 500..535, 502..534		

Seq. No.	31955	Seq. ID	OJ990929_01.9C17.C25
Gene No.	66089	Strand	+
Start	7372	End	10362
Name	OJ990929_01.9C17.C25.o3.tm	Method	TBLASTX:Maize
Start	712	End	925
GI	none	Score	146
Exons	712..822, 716..832, 830..925, 838..924		

Seq. No.	31955	Seq. ID	OJ990929_01.9C17.C25
Gene No.	66089	Strand	+
Start	7372	End	10362
Name	OJ990929_01.9C17.C25.o2.tm	Method	TBLASTX:Maize
Start	989	End	1695
GI	none	Score	197
Exons	989..1183, 992..1183, 1035..1184, 1071..1184, 1347..1415, 1348..1419, 1450..1584, 1450..1575, 1457..1576, 1470..1646, 1600..1695, 1611..1691		

Seq. No.	31955	Seq. ID	OJ990929_01.9C17.C25
Gene No.	66089	Strand	+
Start	7372	End	10362
Name	OJ990929_01.9C17.C25.o1.ts	Method	TBLASTX:Soybean
Start	2366	End	5007
GI	none	Score	112
Exons	2366..2479, 2370..2477, 2578..2649, 2595..2633, 3444..3518, 3738..3815, 4026..4178, 4349..4513, 4357..4512, 4367..4516, 4631..4672, 4676..4804, 4917..5006, 4927..5007		

Seq. No.	31955	Seq. ID	OJ990929_01.9C17.C25
Gene No.	66089	Strand	+
Start	7372	End	10362
Name	OJ990929_01.9C17.C25.o1.tm	Method	TBLASTX:Maize
Start	2571	End	5616
GI	none	Score	97
Exons	2571..2651, 2575..2646, 3430..3519, 3438..3524, 3439..3507, 3708..3893, 3729..3893, 4026..4160, 4030..4167, 4031..4105, 4068..4154, 4349..4513, 4351..4512, 4620..4679, 4631..4726, 4682..4804, 4682..4801, 4729..4812, 4926..5006, 4927..5007, 4927..5007, 5569..5616		

Seq. No.	31955	Seq. ID	OJ990929_01.9C17.C25
Gene No.	66089	Strand	+
Start	7372	End	10362
Name	OJ990929_01.9C17.C25.o1.tc	Method	TBLASTX:Cress
Start	3729	End	4804
GI	none	Score	111
Exons	3729..3863, 3738..3827, 4026..4160, 4349..4513, 4351..4512, 4670..4804		

Seq. No.	31955	Seq. ID	OJ990929_01.9C17.C25
Gene No.	66089	Strand	+
Start	7372	End	10362
Name	OJ990929_01.9C17.C25.o1.tw	Method	TBLASTX:Wheat
Start	4350	End	4989
GI	none	Score	146
Exons	4350..4475, 4351..4503, 4351..4512, 4352..4513, 4626..4679, 4631..4678, 4657..4803, 4676..4804, 4676..4801, 4729..4812, 4926..4988, 4927..4989		

Seq. No.	31955	Seq. ID	OJ990929_01.9C17.C25
Gene No.	66089	Strand	+
Start	7372	End	10362
Name	OJ990929_01.9C17.C25.o2.gs	Method	GENSCAN
Start	7372	End	10362
GI	none	Score	.58
Exons	7372..7504, 7660..7755, 7803..7930, 8782..9198, 9747..9881, 10099..10202, 10230..10362		

Seq. No.	31956	Seq. ID	OJ990929_01.9C17.C26
Gene No.	66090	Strand	+
Start	1649	End	2808
Name	OJ990929_01.9C17.C26.o1.gs	Method	GENSCAN
Start	1649	End	2808
GI	none	Score	.59

Exons	1649..1802, 2663..2808		
Seq. No.	31956	Seq. ID	OJ990929_01.9C17.C26
Gene No.	66091	Strand	-
Start	3260	End	4463
Name	OJ990929_01.9C17.C26.o2.tm	Method	TBLASTX:Maize
Start	1476	End	1958
GI	none	Score	168
Exons	1476..1652, 1490..1642, 1746..1958		
Seq. No.	31956	Seq. ID	OJ990929_01.9C17.C26
Gene No.	66091	Strand	-
Start	3260	End	4463
Name	OJ990929_01.9C17.C26.o2.gs	Method	GENSCAN
Start	3260	End	4386
GI	none	Score	.92
Exons	3260..3860, 4012..4141, 4242..4386		
Seq. No.	31956	Seq. ID	OJ990929_01.9C17.C26
Gene No.	66091	Strand	-
Start	3260	End	4463
Name	OJ990929_01.9C17.C26.o1.np	Method	AAT/NAP
Start	3296	End	4386
GI	421980	Score	705
Exons	3296..3885, 4004..4141, 4245..4386		
GI Descrip.	transforming protein (myb3) - barley gi\|19059\|emb\|CAA50223\| (X70878) MybHv33 [Hordeum vulgare]		
Seq. No.	31956	Seq. ID	OJ990929_01.9C17.C26
Gene No.	66091	Strand	-
Start	3260	End	4463
Name	OJ990929_01.9C17.C26.o1.tc	Method	TBLASTX:Cress
Start	3734	End	4386
GI	none	Score	115
Exons	3734..3883, 3774..3884, 3954..4142, 3997..4149, 4241..4351, 4243..4353, 4369..4386		
Seq. No.	31956	Seq. ID	OJ990929_01.9C17.C26
Gene No.	66091	Strand	-
Start	3260	End	4463
Name	OJ990929_01.9C17.C26.o1.ts	Method	TBLASTX:Soybean
Start	3767	End	4314
GI	none	Score	135
Exons	3767..3883, 3768..3884, 3975..4142, 3994..4149, 4241..4282, 4243..4314		
Seq. No.	31956	Seq. ID	OJ990929_01.9C17.C26
Gene No.	66091	Strand	-
Start	3260	End	4463
Name	OJ990929_01.9C17.C26.o1.tm	Method	TBLASTX:Maize
Start	3779	End	4439
GI	none	Score	104
Exons	3779..3820, 3785..3883, 3815..3883, 3816..3884, 3846..3884, 3954..4142, 3997..4149, 4009..4143, 4237..4392, 4243..4395, 4244..4396, 4245..4439, 4314..4409		
Seq. No.	31956	Seq. ID	OJ990929_01.9C17.C26

Gene No.	66091	Strand	-
Start	3260	End	4463
Name	OJ990929_01.9C17.C26.o1.tw	Method	TBLASTX:Wheat
Start	3818	End	4344
GI	none	Score	80
Exons	3818..3883, 3818..3883, 3993..4142, 3994..4143, 4243..4344		

Seq. No.	31956	Seq. ID	OJ990929_01.9C17.C26
Gene No.	66091	Strand	-
Start	3260	End	4463
Name	OJ990929_01.9C17.C26.o1.gp	Method	AAT/GAP
Start	3835	End	4463
GI	65698_1.R1084	Score	711
Exons	3835..3890, 4010..4141, 4245..4463		
GI Descrip.	'421980/pir\|\|S35419 4.0e-43 transforming protein (myb3) - barley >gi_19059_emb_CAA50223_ (X70878) MybHv33 [Hordeum vulgare]'		

Seq. No.	31957	Seq. ID	OJ990929_01.9C17.C27
Gene No.	66092	Strand	+
Start	328	End	2231
Name	OJ990929_01.9C17.C27.o1.gs	Method	GENSCAN
Start	328	End	2231
GI	none	Score	.76
Exons	328..394, 472..560, 1148..1243, 2169..2231		

Seq. No.	31957	Seq. ID	OJ990929_01.9C17.C27
Gene No.	66093	Strand	-
Start	2789	End	3509
Name	OJ990929_01.9C17.C27.o2.gs	Method	GENSCAN
Start	2789	End	3509
GI	none	Score	.52
Exons	2789..2887, 3127..3153, 3504..3509		

Seq. No.	31958	Seq. ID	OJ990929_01.9C17.C28
Gene No.	66094	Strand	+
Start	1	End	659
Name	OJ990929_01.9C17.C28.o1.np	Method	AAT/NAP
Start	1	End	659
GI	5852093	Score	58
Exons	1..76, 551..659		
GI Descrip.	(AL117264) zwh16.1 [Oryza sativa]		

Seq. No.	31958	Seq. ID	OJ990929_01.9C17.C28
Gene No.	66095	Strand	+
Start	6991	End	7386
Name	OJ990929_01.9C17.C28.o2.gs	Method	GENSCAN
Start	6991	End	7386
GI	none	Score	.94
Exons	6991..7386		

Seq. No.	31958	Seq. ID	OJ990929_01.9C17.C28
Gene No.	66096	Strand	+
Start	8798	End	11941
Name	OJ990929_01.9C17.C28.o4.gs	Method	GENSCAN
Start	8798	End	11941
GI	none	Score	.53
Exons	8798..8861, 9053..9287, 9289..9580, 10124..10200, 10383..10548,		

10730..10828, 11007..11204, 11288..11340, 11854..11941

Seq. No.	31958	Seq. ID	OJ990929_01.9C17.C28
Gene No.	66097	Strand	+
Start	12768	End	17393
Name	OJ990929_01.9C17.C28.o5.gs	Method	GENSCAN
Start	12768	End	17393
GI	none	Score	65
Exons	12768..13180, 13256..13613, 14677..14750, 14865..15009, 15243..15431, 17229..17393		

Seq. No.	31958	Seq. ID	OJ990929_01.9C17.C28
Gene No.	66098	Strand	+
Start	18399	End	22402
Name	OJ990929_01.9C17.C28.o3.gp	Method	AAT/GAP
Start	18293	End	22402
GI	185_1.R1084	Score	2196
Exons	18293..18542, 20150..20290, 20390..20476, 20720..20836, 20929..21017, 21262..21313, 21419..21514, 21587..21631, 21754..21843, 21916..21987, 22242..22402		
GI Descrip.	'2073375/dbj\|BAA19856\| 0.0e+00 (D85317) farnesyl pyrophosphate synthase [Oryza sativa] >gi_4063829_dbj_BAA36276_ (AB021747) farnesyl diphosphate synthase [Oryza sativa]'		

Seq. No.	31958	Seq. ID	OJ990929_01.9C17.C28
Gene No.	66098	Strand	+
Start	18399	End	22402
Name	OJ990929_01.9C17.C28.o3.np	Method	AAT/NAP
Start	18399	End	22367
GI	2073375	Score	1564
Exons	18399..18542, 20150..20290, 20390..20476, 20720..20836, 20929..21017, 21262..21313, 21419..21514, 21587..21631, 21754..21843, 21916..21987, 22242..22367		
GI Descrip.	(D85317) farnesyl pyrophosphate synthase [Oryza sativa] gi\|4063829\|dbj\|BAA36276\| (AB021747) farnesyl diphosphate synthase [Oryza sativa]		

Seq. No.	31958	Seq. ID	OJ990929_01.9C17.C28
Gene No.	66098	Strand	+
Start	18399	End	22402
Name	OJ990929_01.9C17.C28.o6.gs	Method	GENSCAN
Start	18399	End	22370
GI	none	Score	88
Exons	18399..18542, 20150..20290, 20390..20476, 20720..20836, 20929..21017, 21262..21313, 21419..21514, 21754..21843, 21916..21987, 22242..22370		

Seq. No.	31958	Seq. ID	OJ990929_01.9C17.C28
Gene No.	66099	Strand	-
Start	6950	End	7407
Name	OJ990929_01.9C17.C28.o2.gp	Method	AAT/GAP
Start	6950	End	7407
GI	none	Score	848
Exons	6950..7407		

Seq. No.	31958	Seq. ID	OJ990929_01.9C17.C28
Gene No.	66100	Strand	-

Start	7585	End	9616
Name	OJ990929_01.9C17.C28.o3.gs	Method	GENSCAN
Start	7585	End	8115
GI	none	Score	.63
Exons	7585..7708, 7730..8115		

Seq. No.	31958	Seq. ID	OJ990929_01.9C17.C28
Gene No.	66100	Strand	-
Start	7585	End	9616
Name	OJ990929_01.9C17.C28.o2.tc	Method	TBLASTX:Cress
Start	7621	End	7923
GI	none	Score	68
Exons	7621..7674, 7700..7801, 7716..7802, 7787..7921, 7795..7923		

Seq. No.	31958	Seq. ID	OJ990929_01.9C17.C28
Gene No.	66100	Strand	-
Start	7585	End	9616
Name	OJ990929_01.9C17.C28.o2.tm	Method	TBLASTX:Maize
Start	7621	End	8005
GI	none	Score	70
Exons	7621..7674, 7700..7801, 7713..7802, 7787..8005, 7795..8001		

Seq. No.	31958	Seq. ID	OJ990929_01.9C17.C28
Gene No.	66100	Strand	-
Start	7585	End	9616
Name	OJ990929_01.9C17.C28.o2.tw	Method	TBLASTX:Wheat
Start	7627	End	7864
GI	none	Score	73
Exons	7627..7674, 7700..7801, 7787..7864, 7795..7863		

Seq. No.	31958	Seq. ID	OJ990929_01.9C17.C28
Gene No.	66100	Strand	-
Start	7585	End	9616
Name	OJ990929_01.9C17.C28.o2.np	Method	AAT/NAP
Start	7691	End	9616
GI	3643598	Score	358
Exons	7691..8149, 9595..9616		
GI Descrip.	(AC005395) putative poly(A) polymerase [Arabidopsis thaliana]		

Seq. No.	31958	Seq. ID	OJ990929_01.9C17.C28
Gene No.	66100	Strand	-
Start	7585	End	9616
Name	OJ990929_01.9C17.C28.o1.ts	Method	TBLASTX:Soybean
Start	7700	End	8121
GI	none	Score	60
Exons	7700..7801, 7724..7801, 7787..8005, 7795..8001, 8065..8121		

Seq. No.	31958	Seq. ID	OJ990929_01.9C17.C28
Gene No.	66101	Strand	
Start	9634	End	10000
Name	OJ990929_01.9C17.C28.o3.tm	Method	TBLASTX:Maize
Start	9634	End	10000
GI	none	Score	165
Exons	9634..9864, 9657..9869, 9658..9858, 9861..9917, 9952..9999, 9953..10000		

Seq. No.	31958	Seq. ID	OJ990929_01.9C17.C28

Gene No.	66102	Strand	
Start	12797	End	14343
Name	OJ990929_01.9C17.C28.o1.tw	Method	TBLASTX:Wheat
Start	12797	End	13172
GI	none	Score	498
Exons	12797..13129, 12798..13130, 13142..13171, 13143..13172		

Seq. No.	31958	Seq. ID	OJ990929_01.9C17.C28
Gene No.	66102	Strand	
Start	12797	End	14343
Name	OJ990929_01.9C17.C28.o3.ts	Method	TBLASTX:Soybean
Start	12816	End	13091
GI	none	Score	270
Exons	12816..13091, 12842..13081		

Seq. No.	31958	Seq. ID	OJ990929_01.9C17.C28
Gene No.	66102	Strand	
Start	12797	End	14343
Name	OJ990929_01.9C17.C28.o4.tm	Method	TBLASTX:Maize
Start	13032	End	14343
GI	none	Score	85
Exons	13032..13109, 13221..13352, 14205..14339, 14209..14343		

Seq. No.	31958	Seq. ID	OJ990929_01.9C17.C28
Gene No.	66102	Strand	
Start	12797	End	14343
Name	OJ990929_01.9C17.C28.o6.ts	Method	TBLASTX:Soybean
Start	13259	End	13501
GI	none	Score	209
Exons	13259..13501, 13263..13430		

Seq. No.	31958	Seq. ID	OJ990929_01.9C17.C28
Gene No.	66102	Strand	
Start	12797	End	14343
Name	OJ990929_01.9C17.C28.o3.tc	Method	TBLASTX:Cress
Start	14202	End	14343
GI	none	Score	70
Exons	14202..14342, 14205..14339, 14206..14343		

Seq. No.	31958	Seq. ID	OJ990929_01.9C17.C28
Gene No.	66102	Strand	
Start	12797	End	14343
Name	OJ990929_01.9C17.C28.o5.ts	Method	TBLASTX:Soybean
Start	14205	End	14343
GI	none	Score	234
Exons	14205..14336, 14206..14343		

Seq. No.	31958	Seq. ID	OJ990929_01.9C17.C28
Gene No.	66103	Strand	
Start	18444	End	22380
Name	OJ990929_01.9C17.C28.o1.tc	Method	TBLASTX:Cress
Start	18444	End	22370
GI	none	Score	109
Exons	18444..18548, 20143..20292, 20144..20293, 20146..20310, 20374..20448, 20390..20479, 20390..20494, 20394..20483, 20718..20837, 20720..20839, 20913..21005, 20917..21018, 21253..21315, 21254..21334, 21418..21510, 21419..21514,		

21584..21631, 21585..21629, 21738..21821, 21739..21843,
21915..21998, 21916..21987, 22197..22370, 22283..22369

Seq. No.	31958	Seq. ID	OJ990929_01.9C17.C28
Gene No.	66103	Strand	
Start	18444	End	22380
Name	OJ990929_01.9C17.C28.o2.ts	Method	TBLASTX:Soybean
Start	18444	End	21024
GI	none	Score	114

Exons 18444..18548, 18453..18545, 20143..20292, 20144..20293,
20374..20451, 20390..20479, 20390..20491, 20706..20837,
20719..20838, 20720..20839, 20913..21023, 20916..20954,
20917..21024

Seq. No.	31958	Seq. ID	OJ990929_01.9C17.C28
Gene No.	66103	Strand	
Start	18444	End	22380
Name	OJ990929_01.9C17.C28.o1.tm	Method	TBLASTX:Maize
Start	20261	End	22380
GI	none	Score	52

Exons 20261..20293, 20261..20290, 20374..20451, 20388..20477,
20390..20479, 20390..20479, 20712..20837, 20712..20837,
20719..20838, 20720..20839, 20913..21017, 20917..21018,
21248..21331, 21263..21334, 21418..21510, 21419..21514,
21584..21631, 21585..21629, 21739..21843, 21752..21844,
21753..21854, 21753..21845, 21911..21976, 21916..21987,
21916..21999, 21918..21989, 22200..22370, 22240..22380,
22240..22368, 22241..22369

Seq. No.	31958	Seq. ID	OJ990929_01.9C17.C28
Gene No.	66103	Strand	
Start	18444	End	22380
Name	OJ990929_01.9C17.C28.o4.ts	Method	TBLASTX:Soybean
Start	21235	End	21631
GI	none	Score	105

Exons 21235..21315, 21254..21334, 21418..21510, 21419..21514,
21582..21617, 21584..21631

Seq. No.	31959	Seq. ID	OJ990929_01.9C17.C29
Gene No.	66104	Strand	+
Start	2926	End	3186
Name	OJ990929_01.9C17.C29.o1.gp	Method	AAT/GAP
Start	2926	End	3186
GI	427610	Score	401

Exons 2926..3186

GI Descrip. 5852172/emb|CAB55410.1| 4.0e-11 (AL117265) zhb0002.1 [Oryza sativa]

Seq. No.	31959	Seq. ID	OJ990929_01.9C17.C29
Gene No.	66105	Strand	+
Start	3805	End	7798
Name	OJ990929_01.9C17.C29.o2.gp	Method	AAT/GAP
Start	3805	End	4955
GI	16878_1.R1084	Score	1431

Exons 3805..4158, 4260..4409, 4497..4559, 4652..4828, 4908..4955

GI Descrip. '2462748 4.0e-91 (AC002292) putative Clathrin Coat Assembly protein [Arabidopsis thaliana]'

Seq. No.	31959	Seq. ID	OJ990929_01.9C17.C29
Gene No.	66105	Strand	+
Start	3805	End	7798
Name	OJ990929_01.9C17.C29.o2.gs	Method	GENSCAN
Start	4030	End	7371
GI	none	Score	.89
Exons	4030..4158, 4260..4409, 4497..4559, 4652..4828, 4908..5011, 6254..6361, 6448..6544, 6652..6749, 6830..6971, 7053..7175, 7273..7371		

Seq. No.	31959	Seq. ID	OJ990929_01.9C17.C29
Gene No.	66105	Strand	+
Start	3805	End	7798
Name	OJ990929_01.9C17.C29.o3.np	Method	AAT/NAP
Start	4030	End	7368
GI	2462748	Score	1712
Exons	4030..4158, 4260..4409, 4497..4559, 4652..4828, 4908..5011, 6254..6361, 6448..6544, 6652..6749, 6830..6971, 7053..7175, 7273..7368		
GI Descrip.	(AC002292) putative Clathrin Coat Assembly protein [Arabidopsis thaliana]		

Seq. No.	31959	Seq. ID	OJ990929_01.9C17.C29
Gene No.	66105	Strand	+
Start	3805	End	7798
Name	OJ990929_01.9C17.C29.o3.gp	Method	AAT/GAP
Start	6489	End	7798
GI	17471_1.R1084	Score	1679
Exons	6489..6544, 6652..6749, 6830..6971, 7053..7175, 7273..7798		
GI Descrip.	'2462748 5.0e-77 (AC002292) putative Clathrin Coat Assembly protein [Arabidopsis thaliana]'		

Seq. No.	31959	Seq. ID	OJ990929_01.9C17.C29
Gene No.	66106	Strand	-
Start	3005	End	6227
Name	OJ990929_01.9C17.C29.o1.gs	Method	GENSCAN
Start	3005	End	3939
GI	none	Score	.82
Exons	3005..3163, 3790..3939		

Seq. No.	31959	Seq. ID	OJ990929_01.9C17.C29
Gene No.	66106	Strand	-
Start	3005	End	6227
Name	OJ990929_01.9C17.C29.o1.np	Method	AAT/NAP
Start	3035	End	6227
GI	5852172	Score	131
Exons	3035..3112, 3240..3305, 6033..6227		
GI Descrip.	(AL117265) zhb0002.1 [Oryza sativa]		

Seq. No.	31959	Seq. ID	OJ990929_01.9C17.C29
Gene No.	66106	Strand	-
Start	3005	End	6227
Name	OJ990929_01.9C17.C29.o2.np	Method	AAT/NAP
Start	3035	End	3305
GI	5852172	Score	130
Exons	3035..3112, 3240..3305		

GI Descrip. (AL117265) zhb0002.1 [Oryza sativa]

Seq. No.	31959	Seq. ID	OJ990929_01.9C17.C29
Gene No.	66107	Strand	-
Start	8298	End	8888
Name	OJ990929_01.9C17.C29.o2.tm	Method	TBLASTX:Maize
Start	4002	End	4322
GI	none	Score	219
Exons	4002..4157, 4015..4158, 4248..4322, 4259..4321		

Seq. No.	31959	Seq. ID	OJ990929_01.9C17.C29
Gene No.	66107	Strand	-
Start	8298	End	8888
Name	OJ990929_01.9C17.C29.o2.ts	Method	TBLASTX:Soybean
Start	4015	End	4412
GI	none	Score	202
Exons	4015..4158, 4026..4070, 4122..4157, 4248..4298, 4295..4411, 4296..4412		

Seq. No.	31959	Seq. ID	OJ990929_01.9C17.C29
Gene No.	66107	Strand	-
Start	8298	End	8888
Name	OJ990929_01.9C17.C29.o2.tc	Method	TBLASTX:Cress
Start	4029	End	4678
GI	none	Score	199
Exons	4029..4157, 4030..4158, 4248..4298, 4295..4417, 4296..4412, 4491..4550, 4652..4678		

Seq. No.	31959	Seq. ID	OJ990929_01.9C17.C29
Gene No.	66107	Strand	-
Start	8298	End	8888
Name	OJ990929_01.9C17.C29.o1.tm	Method	TBLASTX:Maize
Start	4323	End	7665
GI	none	Score	145
Exons	4323..4412, 4325..4417, 4476..4559, 4491..4550, 4639..4830, 4651..4830, 4652..4831, 4905..5009, 4910..5011, 4912..5010, 6249..6383, 6251..6367, 6252..6368, 6446..6547, 6447..6545, 6448..6546, 6474..6557, 6641..6745, 6649..6747, 6649..6762, 6825..6863, 6827..6973, 6828..6971, 6829..6972, 6829..6975, 6900..7001, 7041..7175, 7052..7177, 7053..7178, 7058..7177, 7267..7398, 7271..7405, 7272..7406, 7515..7592, 7516..7593, 7516..7593, 7523..7594, 7579..7659, 7595..7651, 7600..7665		

Seq. No.	31959	Seq. ID	OJ990929_01.9C17.C29
Gene No.	66107	Strand	-
Start	8298	End	8888
Name	OJ990929_01.9C17.C29.o1.ts	Method	TBLASTX:Soybean
Start	4509	End	7090
GI	none	Score	73
Exons	4509..4550, 4509..4559, 4639..4830, 4652..4831, 4905..5009, 4905..5009, 4907..5011, 6236..6367, 6249..6383, 6252..6368, 6446..6547, 6448..6579, 6649..6747, 6651..6722, 6664..6753, 6824..6973, 6828..6971, 7053..7088, 7058..7090		

Seq. No.	31959	Seq. ID	OJ990929_01.9C17.C29
Gene No.	66107	Strand	-
Start	8298	End	8888

Name	OJ990929_01.9C17.C29.o1.tc	Method	TBLASTX:Cress
Start	6651	End	7338
GI	none	Score	140
Exons	6651..6722, 6652..6747, 6658..6762, 6824..6973, 6828..6971, 7041..7175, 7053..7178, 7058..7177, 7267..7338, 7271..7333, 7272..7337		

Seq. No.	31959	Seq. ID	OJ990929_01.9C17.C29
Gene No.	66107	Strand	-
Start	8298	End	8888
Name	OJ990929_01.9C17.C29.o1.tw	Method	TBLASTX:Wheat
Start	6830	End	7359
GI	none	Score	234
Exons	6830..6973, 6831..6971, 6836..6973, 6838..6975, 6900..7001, 7041..7175, 7053..7178, 7058..7177, 7267..7359, 7271..7351, 7272..7358		

Seq. No.	31959	Seq. ID	OJ990929_01.9C17.C29
Gene No.	66107	Strand	-
Start	8298	End	8888
Name	OJ990929_01.9C17.C29.o3.gs	Method	GENSCAN
Start	8298	End	8888
GI	none	Score	.54
Exons	8298..8401, 8660..8888		

Seq. No.	31960	Seq. ID	OJ990929_01.9C17.C30
Gene No.	66108	Strand	+
Start	50	End	4236
Name	OJ990929_01.9C17.C30.o1.gs	Method	GENSCAN
Start	50	End	1742
GI	none	Score	.5
Exons	50..104, 569..681, 1243..1354, 1373..1448, 1610..1742		

Seq. No.	31960	Seq. ID	OJ990929_01.9C17.C30
Gene No.	66108	Strand	+
Start	50	End	4236
Name	OJ990929_01.9C17.C30.o1.np	Method	AAT/NAP
Start	580	End	2840
GI	5922623	Score	301
Exons	580..660, 1047..1205, 1373..1448, 2732..2840		
GI Descrip.	(AP000492) hypothetical protein [Oryza sativa] gi\|6016856\|dbj\|BAA85199.1\| (AP000570) hypothetical protein [Oryza sativa]		

Seq. No.	31960	Seq. ID	OJ990929_01.9C17.C30
Gene No.	66108	Strand	+
Start	50	End	4236
Name	OJ990929_01.9C17.C30.o2.np	Method	AAT/NAP
Start	580	End	1448
GI	5922623	Score	297
Exons	580..660, 1047..1205, 1373..1448		
GI Descrip.	(AP000492) hypothetical protein [Oryza sativa] gi\|6016856\|dbj\|BAA85199.1\| (AP000570) hypothetical protein [Oryza sativa]		

Seq. No.	31960	Seq. ID	OJ990929_01.9C17.C30
Gene No.	66108	Strand	+

Start	50	End	4236
Name	OJ990929_01.9C17.C30.o2.gs	Method	GENSCAN
Start	2287	End	3888
GI	none	Score	.86
Exons	2287..3548, 3681..3888		

Seq. No.	31960	Seq. ID	OJ990929_01.9C17.C30
Gene No.	66108	Strand	+
Start	50	End	4236
Name	OJ990929_01.9C17.C30.o3.np	Method	AAT/NAP
Start	2287	End	4236
GI	5803259	Score	2476
Exons	2287..3548, 3647..4028, 4188..4236		
GI Descrip.	(AP000399) hypothetical protein [Oryza sativa]		

Seq. No.	31961	Seq. ID	OJ990929_01.9C17.C31
Gene No.	66109	Strand	+
Start	528	End	1235
Name	OJ990929_01.9C17.C31.o1.gs	Method	GENSCAN
Start	528	End	1235
GI	none	Score	.9
Exons	528..742, 861..1050, 1185..1235		

Seq. No.	31962	Seq. ID	OJ990929_01.9C17.C32
Gene No.	66110	Strand	+
Start	366	End	590
Name	OJ990929_01.9C17.C32.o1.gs	Method	GENSCAN
Start	366	End	590
GI	none	Score	.65
Exons	366..468, 492..590		

Seq. No.	31962	Seq. ID	OJ990929_01.9C17.C32
Gene No.	66111	Strand	-
Start	75	End	607
Name	OJ990929_01.9C17.C32.o1.gp	Method	AAT/GAP
Start	75	End	607
GI	none	Score	912
Exons	75..607		

Seq. No.	31963	Seq. ID	OJ990929_01.9C17.C34
Gene No.	66112	Strand	+
Start	806	End	1589
Name	OJ990929_01.9C17.C34.o1.gp	Method	AAT/GAP
Start	806	End	1589
GI	none	Score	1149
Exons	806..952, 1115..1589		

Seq. No.	31963	Seq. ID	OJ990929_01.9C17.C34
Gene No.	66113	Strand	+
Start	4334	End	6078
Name	OJ990929_01.9C17.C34.o2.gs	Method	GENSCAN
Start	4334	End	5614
GI	none	Score	.82
Exons	4334..5614		

Seq. No.	31963	Seq. ID	OJ990929_01.9C17.C34
Gene No.	66113	Strand	+

Start	4334	End	6078
Name	OJ990929_01.9C17.C34.o2.np	Method	AAT/NAP
Start	4406	End	6078
GI	6730669	Score	227
Exons	4406..5125, 6029..6078		
GI Descrip.	(AC007945) F28C11.2 [Arabidopsis thaliana]		

Seq. No.	31963	Seq. ID	OJ990929_01.9C17.C34
Gene No.	66114	Strand	-
Start	2649	End	3856
Name	OJ990929_01.9C17.C34.o1.gs	Method	GENSCAN
Start	2649	End	3856
GI	none	Score	.78
Exons	2649..2852, 2912..2973, 3745..3856		

Seq. No.	31963	Seq. ID	OJ990929_01.9C17.C34
Gene No.	66115	Strand	-
Start	5298	End	5787
Name	OJ990929_01.9C17.C34.o1.tm	Method	TBLASTX:Maize
Start	4442	End	4780
GI	none	Score	132
Exons	4442..4543, 4442..4615, 4615..4779, 4616..4780		

Seq. No.	31963	Seq. ID	OJ990929_01.9C17.C34
Gene No.	66115	Strand	-
Start	5298	End	5787
Name	OJ990929_01.9C17.C34.o2.tm	Method	TBLASTX:Maize
Start	5041	End	5359
GI	none	Score	193
Exons	5041..5136, 5042..5179, 5156..5203, 5207..5329, 5207..5359		

Seq. No.	31963	Seq. ID	OJ990929_01.9C17.C34
Gene No.	66115	Strand	-
Start	5298	End	5787
Name	OJ990929_01.9C17.C34.o2.gp	Method	AAT/GAP
Start	5298	End	5787
GI	none	Score	925
Exons	5298..5787		

Seq. No.	31963	Seq. ID	OJ990929_01.9C17.C34
Gene No.	66115	Strand	-
Start	5298	End	5787
Name	OJ990929_01.9C17.C34.o3.tm	Method	TBLASTX:Maize
Start	5390	End	5578
GI	none	Score	78
Exons	5390..5452, 5391..5453, 5459..5578, 5459..5578		

Seq. No.	31964	Seq. ID	OJ990929_01.9C17.C35
Gene No.	66116	Strand	-
Start	2311	End	8837
Name	OJ990929_01.9C17.C35.o1.gs	Method	GENSCAN
Start	2311	End	8837
GI	none	Score	.67
Exons	2311..2419, 3425..3603, 3959..4139, 7205..7236, 7283..7435, 7985..8172, 8684..8837		

Seq. No.	31964	Seq. ID	OJ990929_01.9C17.C35

Gene No.	66116	Strand	-
Start	2311	End	8837
Name	OJ990929_01.9C17.C35.o1.tm	Method	TBLASTX:Maize
Start	7985	End	8186
GI	none	Score	275
Exons	7985..8176, 7985..8185, 7986..8186		

Seq. No.	31965	Seq. ID	OJ990929_01.9C17.C36
Gene No.	66117	Strand	-
Start	697	End	808
Name	OJ990929_01.9C17.C36.o1.gs	Method	GENSCAN
Start	697	End	808
GI	none	Score	.98
Exons	697..808		

Seq. No.	31965	Seq. ID	OJ990929_01.9C17.C36
Gene No.	66118	Strand	-
Start	2193	End	4016
Name	OJ990929_01.9C17.C36.o2.gs	Method	GENSCAN
Start	2193	End	3812
GI	none	Score	.86
Exons	2193..3812		

Seq. No.	31965	Seq. ID	OJ990929_01.9C17.C36
Gene No.	66118	Strand	-
Start	2193	End	4016
Name	OJ990929_01.9C17.C36.o1.tm	Method	TBLASTX:Maize
Start	2229	End	2855
GI	none	Score	50
Exons	2229..2297, 2261..2296, 2316..2684, 2333..2386, 2376..2855, 2638..2853		

Seq. No.	31965	Seq. ID	OJ990929_01.9C17.C36
Gene No.	66118	Strand	-
Start	2193	End	4016
Name	OJ990929_01.9C17.C36.o1.np	Method	AAT/NAP
Start	2267	End	3868
GI	3641661	Score	1524
Exons	2267..3868		
GI Descrip.	(AB008519) high affinity nitrate transporter [Oryza sativa]		

Seq. No.	31965	Seq. ID	OJ990929_01.9C17.C36
Gene No.	66118	Strand	-
Start	2193	End	4016
Name	OJ990929_01.9C17.C36.o1.ts	Method	TBLASTX:Soybean
Start	2334	End	3822
GI	none	Score	86
Exons	2334..2429, 2442..2741, 2443..2550, 2641..2742, 2707..3255, 2784..3257, 2985..3257, 3307..3822, 3321..3752		

Seq. No.	31965	Seq. ID	OJ990929_01.9C17.C36
Gene No.	66118	Strand	-
Start	2193	End	4016
Name	OJ990929_01.9C17.C36.o1.tc	Method	TBLASTX:Cress
Start	2376	End	3795
GI	none	Score	66
Exons	2376..2429, 2448..2528, 2448..2741, 2755..3255, 2784..3257,		

3321..3794, 3328..3795

Seq. No.	31965	Seq. ID	OJ990929_01.9C17.C36
Gene No.	66118	Strand	-
Start	2193	End	4016
Name	OJ990929_01.9C17.C36.o1.gp	Method	AAT/GAP
Start	2819	End	3287
GI	uC-osroM202031e01b1	Score	926
Exons	2819..3287		
GI Descrip.	'3005576 1.0e-54 (AF047718) putative high affinity nitrate transporter; GmNRT2 [Glycine max]'		

Seq. No.	31965	Seq. ID	OJ990929_01.9C17.C36
Gene No.	66118	Strand	-
Start	2193	End	4016
Name	OJ990929_01.9C17.C36.o2.tm	Method	TBLASTX:Maize
Start	3321	End	3795
GI	none	Score	308
Exons	3321..3794, 3328..3795		

Seq. No.	31965	Seq. ID	OJ990929_01.9C17.C36
Gene No.	66118	Strand	-
Start	2193	End	4016
Name	OJ990929_01.9C17.C36.o2.gp	Method	AAT/GAP
Start	3493	End	4016
GI	52955_1.R1084	Score	1033
Exons	3493..4016		
GI Descrip.	'3608364 7.0e-26 (AF019749) high-affinity nitrate transporter ACH2 [Arabidopsis thaliana]'		

Seq. No.	31965	Seq. ID	OJ990929_01.9C17.C36
Gene No.	66118	Strand	-
Start	2193	End	4016
Name	OJ990929_01.9C17.C36.o1.tw	Method	TBLASTX:Wheat
Start	3586	End	3752
GI	none	Score	165
Exons	3586..3750, 3591..3752		

Seq. No.	31966	Seq. ID	OJ990929_01.9C17.C37
Gene No.	66119	Strand	-
Start	490	End	802
Name	OJ990929_01.9C17.C37.o1.gs	Method	GENSCAN
Start	490	End	802
GI	none	Score	.7
Exons	490..600, 701..802		

Seq. No.	31967	Seq. ID	OJ990929_01.9C17.C38
Gene No.	66120	Strand	+
Start	64	End	358
Name	OJ990929_01.9C17.C38.o1.gs	Method	GENSCAN
Start	64	End	358
GI	none	Score	.65
Exons	64..311, 352..358		

Seq. No.	31968	Seq. ID	OJ990929_01.9C17.C40
Gene No.	66121	Strand	+
Start	1	End	711

Name	OJ990929_01.9C17.C40.o1.np	Method	AAT/NAP
Start	1	End	711
GI	3941448	Score	275
Exons	1..21, 269..399, 508..711		
GI Descrip.	(AF062878) putative transcription factor [Arabidopsis thaliana]		

Seq. No.	31968	Seq. ID	OJ990929_01.9C17.C40
Gene No.	66121	Strand	+
Start	1	End	711
Name	OJ990929_01.9C17.C40.o1.gs	Method	GENSCAN
Start	162	End	588
GI	none	Score	.95
Exons	162..185, 270..399, 508..588		

Seq. No.	31968	Seq. ID	OJ990929_01.9C17.C40
Gene No.	66121	Strand	+
Start	1	End	711
Name	OJ990929_01.9C17.C40.o1.tm	Method	TBLASTX:Maize
Start	263	End	595
GI	none	Score	150
Exons	263..403, 322..402, 505..588,	505..585,	506..595

Seq. No.	31968	Seq. ID	OJ990929_01.9C17.C40
Gene No.	66121	Strand	+
Start	1	End	711
Name	OJ990929_01.9C17.C40.o1.ts	Method	TBLASTX:Soybean
Start	266	End	595
GI	none	Score	193
Exons	266..403, 322..402, 505..582,	506..595	

Seq. No.	31968	Seq. ID	OJ990929_01.9C17.C40
Gene No.	66121	Strand	+
Start	1	End	711
Name	OJ990929_01.9C17.C40.o1.tc	Method	TBLASTX:Cress
Start	269	End	595
GI	none	Score	196
Exons	269..403, 322..396, 506..595,	508..585	

Seq. No.	31968	Seq. ID	OJ990929_01.9C17.C40
Gene No.	66121	Strand	+
Start	1	End	711
Name	OJ990929_01.9C17.C40.o1.tw	Method	TBLASTX:Wheat
Start	269	End	580
GI	none	Score	191
Exons	269..403, 322..402, 505..579,	505..579,	506..580

Seq. No.	31969	Seq. ID	OJ990929_01.9C17.C41
Gene No.	66122	Strand	+
Start	1	End	303
Name	OJ990929_01.9C17.C41.o1.gp	Method	AAT/GAP
Start	1	End	303
GI	none	Score	598
Exons	1..303		

Seq. No.	31969	Seq. ID	OJ990929_01.9C17.C41
Gene No.	66123	Strand	-
Start	173	End	633

Name	OJ990929_01.9C17.C41.o1.gs	Method	GENSCAN
Start	173	End	610
GI	none	Score	.79
Exons	173..610		

Seq. No.	31969	Seq. ID	OJ990929_01.9C17.C41
Gene No.	66123	Strand	-
Start	173	End	633
Name	OJ990929_01.9C17.C41.o1.tm	Method	TBLASTX:Maize
Start	179	End	608
GI	none	Score	270
Exons	179..451, 180..446, 464..607,	465..608	

Seq. No.	31969	Seq. ID	OJ990929_01.9C17.C41
Gene No.	66123	Strand	-
Start	173	End	633
Name	OJ990929_01.9C17.C41.o2.gp	Method	AAT/GAP
Start	354	End	633
GI	none	Score	478
Exons	354..633		

Seq. No.	31970	Seq. ID	OJ990929_01.9C17.C42
Gene No.	66124	Strand	-
Start	8	End	277
Name	OJ990929_01.9C17.C42.o1.gs	Method	GENSCAN
Start	8	End	277
GI	none	Score	.96
Exons	8..277		

Seq. No.	31971	Seq. ID	OJ990929_01.9C17.C43
Gene No.	66125	Strand	-
Start	607	End	1043
Name	OJ990929_01.9C17.C43.o1.gp	Method	AAT/GAP
Start	395	End	1043
GI	304_1.R1084	Score	1071
Exons	395..837, 915..1043		
GI Descrip.	'231984/sp\|P30287\|DH25_ORYSA 1.0e-64 DEHYDRIN RAB25 >gi_100709_pir__S19132 rab25 protein - rice >gi_20320_emb_CAA40604_ (X57327) rab25 product [Oryza sativa]'		

Seq. No.	31971	Seq. ID	OJ990929_01.9C17.C43
Gene No.	66125	Strand	-
Start	607	End	1043
Name	OJ990929_01.9C17.C43.o1.gs	Method	GENSCAN
Start	607	End	837
GI	none	Score	.97
Exons	607..837		

Seq. No.	31971	Seq. ID	OJ990929_01.9C17.C43
Gene No.	66125	Strand	-
Start	607	End	1043
Name	OJ990929_01.9C17.C43.o1.np	Method	AAT/NAP
Start	610	End	1043
GI	231984	Score	568
Exons	610..837, 915..1043		
GI Descrip.	DEHYDRIN RAB25 gi\|100709\|pir\|\|S19132 rab25 protein - rice gi\|20320\|emb\|CAA40604\| (X57327) rab25 product [Oryza sativa]		

Seq. No.	31972	Seq. ID	OJ990929_01.9C17.C44
Gene No.	66126	Strand	-
Start	46	End	225
Name	OJ990929_01.9C17.C44.o1.gs	Method	GENSCAN
Start	46	End	225
GI	none	Score	.63
Exons	46..225		

Seq. No.	31973	Seq. ID	OJ990929_01.9C17.C45
Gene No.	66127	Strand	+
Start	1	End	753
Name	OJ990929_01.9C17.C45.o1.np	Method	AAT/NAP
Start	1	End	753
GI	6815062	Score	263
Exons	1..280, 339..648, 725..753		
GI Descrip.	(AP001080) Similar to Arabidopsis thaliana chromosome II BAC F16P2 genomic sequence;mudrA like protein (AC004561) [Oryza sativa]		

Seq. No.	31973	Seq. ID	OJ990929_01.9C17.C45
Gene No.	66127	Strand	+
Start	1	End	753
Name	OJ990929_01.9C17.C45.o1.tm	Method	TBLASTX:Maize
Start	127	End	648
GI	none	Score	162
Exons	127..249, 138..248, 346..423, 463..648		

Seq. No.	31973	Seq. ID	OJ990929_01.9C17.C45
Gene No.	66127	Strand	+
Start	1	End	753
Name	OJ990929_01.9C17.C45.o1.gs	Method	GENSCAN
Start	155	End	648
GI	none	Score	.55
Exons	155..248, 354..446, 507..648		

Seq. No.	31974	Seq. ID	OJ990929_01.9C17.C47
Gene No.	66128	Strand	+
Start	1	End	700
Name	OJ990929_01.9C17.C47.o1.np	Method	AAT/NAP
Start	1	End	700
GI	6498441	Score	809
Exons	1..535, 599..700		
GI Descrip.	(AP000815) EST C72786(E2258) corresponds to a region of the predicted gene.; Similar to Sorghum bicolor Gypsy-Ty3 type retrotransposon RetroSor1. (AF098806) [Oryza sativa]		

Seq. No.	31974	Seq. ID	OJ990929_01.9C17.C47
Gene No.	66128	Strand	+
Start	1	End	700
Name	OJ990929_01.9C17.C47.o1.tw	Method	TBLASTX:Wheat
Start	7	End	700
GI	none	Score	383
Exons	7..129, 14..451, 151..411, 530..700, 583..699		

Seq. No.	31974	Seq. ID	OJ990929_01.9C17.C47
Gene No.	66128	Strand	+

Start	1	End	700
Name	OJ990929_01.9C17.C47.o1.gs	Method	GENSCAN
Start	96	End	598
GI	none	Score	.64
Exons	96..598		

Seq. No.	31975	Seq. ID	OJ990929_01.9C17.C48
Gene No.	66129	Strand	-
Start	1	End	683
Name	OJ990929_01.9C17.C48.o1.np	Method	AAT/NAP
Start	1	End	683
GI	2832698	Score	109
Exons	1..22, 427..495, 581..683		
GI Descrip.	(AL021713) starch synthase-like protein [Arabidopsis thaliana]		

Seq. No.	31975	Seq. ID	OJ990929_01.9C17.C48
Gene No.	66129	Strand	-
Start	1	End	683
Name	OJ990929_01.9C17.C48.o1.gs	Method	GENSCAN
Start	427	End	619
GI	none	Score	.76
Exons	427..495, 581..619		

Seq. No.	31976	Seq. ID	OJ991008_18.0106.C1
Gene No.	66130	Strand	+
Start	1	End	895
Name	OJ991008_18.0106.C1.o1.np	Method	AAT/NAP
Start	1	End	895
GI	5902445	Score	770
Exons	1..895		
GI Descrip.	(AB030283) GAG-POL precursor [Oryza sativa]		

Seq. No.	31976	Seq. ID	OJ991008_18.0106.C1
Gene No.	66130	Strand	+
Start	1	End	895
Name	OJ991008_18.0106.C1.o1.gs	Method	GENSCAN
Start	46	End	864
GI	none	Score	.49
Exons	46..864		

Seq. No.	31976	Seq. ID	OJ991008_18.0106.C1
Gene No.	66130	Strand	+
Start	1	End	895
Name	OJ991008_18.0106.C1.o1.tw	Method	TBLASTX:Wheat
Start	270	End	678
GI	none	Score	201
Exons	270..497, 271..495, 505..678, 613..678		

Seq. No.	31977	Seq. ID	OJ991008_18.0106.C2
Gene No.	66131	Strand	+
Start	2	End	66
Name	OJ991008_18.0106.C2.o1.gs	Method	GENSCAN
Start	2	End	66
GI	none	Score	.82
Exons	2..66		

Seq. No.	31977	Seq. ID	OJ991008_18.0106.C2

Gene No.	66132	Strand	-
Start	1	End	605
Name	OJ991008_18.0106.C2.o1.np	Method	AAT/NAP
Start	1	End	605
GI	5803259	Score	365
Exons	1..29, 123..605		
GI Descrip.	(AP000399) hypothetical protein [Oryza sativa]		

Seq. No.	31978	Seq. ID	OJ991008_18.0106.C3
Gene No.	66133	Strand	+
Start	135	End	262
Name	OJ991008_18.0106.C3.o1.gs	Method	GENSCAN
Start	135	End	262
GI	none	Score	.5
Exons	135..262		

Seq. No.	31979	Seq. ID	OJ991008_18.0106.C5
Gene No.	66134	Strand	-
Start	1	End	263
Name	OJ991008_18.0106.C5.o1.gp	Method	AAT/GAP
Start	1	End	263
GI	2428323	Score	514
Exons	1..263		
GI Descrip.	5803242/dbj\|AP000399.1\|AP000399 0.0e+00 Oryza sativa genomic DNA, chromosome 6, clone:P0535G04		

Seq. No.	31980	Seq. ID	OJ991008_18.0106.C6
Gene No.	66135	Strand	-
Start	9	End	65
Name	OJ991008_18.0106.C6.o1.gs	Method	GENSCAN
Start	9	End	65
GI	none	Score	.68
Exons	9..65		

Seq. No.	31981	Seq. ID	OJ991008_18.0106.C8
Gene No.	66136	Strand	-
Start	110	End	298
Name	OJ991008_18.0106.C8.o1.gs	Method	GENSCAN
Start	110	End	298
GI	none	Score	.79
Exons	110..298		

Seq. No.	31982	Seq. ID	OJ991008_18.0106.C9
Gene No.	66137	Strand	+
Start	879	End	3398
Name	OJ991008_18.0106.C9.o1.gs	Method	GENSCAN
Start	879	End	3398
GI	none	Score	.54
Exons	879..965, 2979..3060, 3139..3398		

Seq. No.	31982	Seq. ID	OJ991008_18.0106.C9
Gene No.	66138	Strand	+
Start	13265	End	16842
Name	OJ991008_18.0106.C9.o3.gp	Method	AAT/GAP
Start	13265	End	13776
GI	uC-osf1M202052c07b1	Score	995
Exons	13265..13776		

GI Descrip.	'4234848 1.0e-12 (AF082131) gag-pol polyprotein [Zea mays]'		
Seq. No.	31982	Seq. ID	OJ991008_18.0106.C9
Gene No.	66138	Strand	+
Start	13265	End	16842
Name	OJ991008_18.0106.C9.o1.np	Method	AAT/NAP
Start	13375	End	16842
GI	4234852	Score	2110
Exons	13375..13551, 13585..16842		
GI Descrip.	(AF082133) gag-pol polyprotein [Zea mays]		
Seq. No.	31982	Seq. ID	OJ991008_18.0106.C9
Gene No.	66138	Strand	+
Start	13265	End	16842
Name	OJ991008_18.0106.C9.o4.gp	Method	AAT/GAP
Start	14008	End	14568
GI	uC-osf1cyp006a10b1	Score	769
Exons	14008..14222, 14330..14568		
GI Descrip.	'4234846 7.0e-13 (AF082130) gag-pol polyprotein [Zea mays]'		
Seq. No.	31982	Seq. ID	OJ991008_18.0106.C9
Gene No.	66139	Strand	+
Start	19060	End	19920
Name	OJ991008_18.0106.C9.o3.np	Method	AAT/NAP
Start	19060	End	19920
GI	5922623	Score	212
Exons	19060..19144, 19521..19674, 19842..19920		
GI Descrip.	(AP000492) hypothetical protein [Oryza sativa] gi\|6016856\|dbj\|BAA85199.1\| (AP000570) hypothetical protein [Oryza sativa]		
Seq. No.	31982	Seq. ID	OJ991008_18.0106.C9
Gene No.	66140	Strand	-
Start	5845	End	6308
Name	OJ991008_18.0106.C9.o2.gp	Method	AAT/GAP
Start	5845	End	6308
GI	uC-osf1M202048g11b1	Score	900
Exons	5845..6308		
GI Descrip.	'3023947/sp\|P56521\|HDAC_MAIZE 9.0e-20 PROBABLE HISTONE DEACETYLASE (RPD3 HOMOLOG) >gi_2665840 (AF035815) putative histone deacetylase RPD3 [Zea mays]'		
Seq. No.	31982	Seq. ID	OJ991008_18.0106.C9
Gene No.	66141	Strand	-
Start	15788	End	19586
Name	OJ991008_18.0106.C9.o1.tc	Method	TBLASTX:Cress
Start	5154	End	6208
GI	none	Score	113
Exons	5154..5294, 5162..5524, 5349..5519, 5531..5857, 5556..5852, 5918..6154, 5919..5996, 6167..6208		
Seq. No.	31982	Seq. ID	OJ991008_18.0106.C9
Gene No.	66141	Strand	-
Start	15788	End	19586
Name	OJ991008_18.0106.C9.o2.ts	Method	TBLASTX:Soybean
Start	5162	End	5372
GI	none	Score	121

Exons	5162..5371, 5163..5372		
Seq. No.	31982	Seq. ID	OJ991008_18.0106.C9
Gene No.	66141	Strand	-
Start	15788	End	19586
Name	OJ991008_18.0106.C9.o2.tw	Method	TBLASTX:Wheat
Start	5165	End	5473
GI	none	Score	101
Exons	5165..5473, 5169..5294, 5349..5471		
Seq. No.	31982	Seq. ID	OJ991008_18.0106.C9
Gene No.	66141	Strand	-
Start	15788	End	19586
Name	OJ991008_18.0106.C9.o1.tm	Method	TBLASTX:Maize
Start	5222	End	6148
GI	none	Score	133
Exons	5222..5521, 5226..5519, 5537..5857, 5544..5642, 5697..5852, 5918..6148		
Seq. No.	31982	Seq. ID	OJ991008_18.0106.C9
Gene No.	66141	Strand	-
Start	15788	End	19586
Name	OJ991008_18.0106.C9.o1.ts	Method	TBLASTX:Soybean
Start	5372	End	6196
GI	none	Score	94
Exons	5372..5524, 5382..5519, 5531..5857, 5556..5852, 5918..6166, 6161..6196		
Seq. No.	31982	Seq. ID	OJ991008_18.0106.C9
Gene No.	66141	Strand	-
Start	15788	End	19586
Name	OJ991008_18.0106.C9.o3.tm	Method	TBLASTX:Maize
Start	9322	End	9757
GI	none	Score	167
Exons	9322..9507, 9323..9508, 9383..9508, 9572..9757		
Seq. No.	31982	Seq. ID	OJ991008_18.0106.C9
Gene No.	66141	Strand	-
Start	15788	End	19586
Name	OJ991008_18.0106.C9.o2.tm	Method	TBLASTX:Maize
Start	13468	End	14388
GI	none	Score	479
Exons	13468..14046, 13590..14036, 13792..14070, 14129..14221, 14326..14388		
Seq. No.	31982	Seq. ID	OJ991008_18.0106.C9
Gene No.	66141	Strand	-
Start	15788	End	19586
Name	OJ991008_18.0106.C9.o3.ts	Method	TBLASTX:Soybean
Start	15342	End	15756
GI	5509260	Score	167
Exons	15342..15539, 15343..15543, 15540..15662, 15600..15689, 15655..15756		
GI Descrip.	-		
Seq. No.	31982	Seq. ID	OJ991008_18.0106.C9
Gene No.	66141	Strand	-

Start	15788	End	19586
Name	OJ991008_18.0106.C9.o5.tm	Method	TBLASTX:Maize
Start	15342	End	15641
GI	none	Score	176
Exons	15342..15536, 15343..15543, 15540..15641		

Seq. No.	31982	Seq. ID	OJ991008_18.0106.C9
Gene No.	66141	Strand	-
Start	15788	End	19586
Name	OJ991008_18.0106.C9.o1.tw	Method	TBLASTX:Wheat
Start	15462	End	16245
GI	none	Score	86
Exons	15462..15542, 15463..15543, 15539..15652, 15540..15662, 15658..15756, 15658..15741, 15752..15835, 15842..16060, 15870..16106, 15878..16060, 16039..16245, 16047..16241		

Seq. No.	31982	Seq. ID	OJ991008_18.0106.C9
Gene No.	66141	Strand	-
Start	15788	End	19586
Name	OJ991008_18.0106.C9.o2.np	Method	AAT/NAP
Start	15788	End	18179
GI	6730732	Score	89
Exons	15788..15829, 17995..18179		
GI Descrip.	(AC018849) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	31982	Seq. ID	OJ991008_18.0106.C9
Gene No.	66141	Strand	-
Start	15788	End	19586
Name	OJ991008_18.0106.C9.o4.tm	Method	TBLASTX:Maize
Start	16051	End	16305
GI	none	Score	214
Exons	16051..16305, 16185..16304		

Seq. No.	31982	Seq. ID	OJ991008_18.0106.C9
Gene No.	66141	Strand	-
Start	15788	End	19586
Name	OJ991008_18.0106.C9.o3.tw	Method	TBLASTX:Wheat
Start	16428	End	16791
GI	none	Score	123
Exons	16428..16568, 16436..16567, 16576..16791		

Seq. No.	31982	Seq. ID	OJ991008_18.0106.C9
Gene No.	66141	Strand	-
Start	15788	End	19586
Name	OJ991008_18.0106.C9.o4.gs	Method	GENSCAN
Start	16660	End	19586
GI	none	Score	.44
Exons	16660..16694, 16790..16963, 17067..17393, 17579..18231, 18316..18431, 19093..19263, 19500..19586		

Seq. No.	31983	Seq. ID	OJ991008_18.0106.C10
Gene No.	66142	Strand	+
Start	820	End	4078
Name	OJ991008_18.0106.C10.o1.gs	Method	GENSCAN
Start	820	End	4078
GI	none	Score	.78
Exons	820..1807, 1912..2080, 2176..4078		

Seq. No.	31983	Seq. ID	OJ991008_18.0106.C10
Gene No.	66142	Strand	+
Start	820	End	4078
Name	OJ991008_18.0106.C10.o1.np	Method	AAT/NAP
Start	820	End	4075
GI	5803259	Score	5206
Exons	820..2080, 2176..4075		
GI Descrip.	(AP000399) hypothetical protein [Oryza sativa]		

Seq. No.	31983	Seq. ID	OJ991008_18.0106.C10
Gene No.	66143	Strand	+
Start	5332	End	14188
Name	OJ991008_18.0106.C10.o4.np	Method	AAT/NAP
Start	5332	End	14188
GI	4505323	Score	68
Exons	5332..5403, 8101..8381, 9315..9370, 12248..12302, 14139..14188		
GI Descrip.	Wiskott-Aldrich syndrome-like gi\|2116984\|dbj\|BAA20128\| (D88460) N-WASP [Homo sapiens]		

Seq. No.	31983	Seq. ID	OJ991008_18.0106.C10
Gene No.	66143	Strand	+
Start	5332	End	14188
Name	OJ991008_18.0106.C10.o3.np	Method	AAT/NAP
Start	10942	End	13424
GI	5922623	Score	177
Exons	10942..11027, 11407..11559, 11727..11802, 13373..13424		
GI Descrip.	(AP000492) hypothetical protein [Oryza sativa] gi\|6016856\|dbj\|BAA85199.1\| (AP000570) hypothetical protein [Oryza sativa]		

Seq. No.	31983	Seq. ID	OJ991008_18.0106.C10
Gene No.	66144	Strand	-
Start	4086	End	4547
Name	OJ991008_18.0106.C10.o1.gp	Method	AAT/GAP
Start	4086	End	4547
GI	2428323	Score	858
Exons	4086..4547		
GI Descrip.	5803242/dbj\|AP000399.1\|AP000399 0.0e+00 Oryza sativa genomic DNA, chromosome 6, clone:P0535G04		

Seq. No.	31983	Seq. ID	OJ991008_18.0106.C10
Gene No.	66145	Strand	-
Start	4713	End	10359
Name	OJ991008_18.0106.C10.o2.tw	Method	TBLASTX:Wheat
Start	3324	End	7858
GI	none	Score	57
Exons	3324..3422, 7439..7645, 7446..7619, 7627..7857, 7636..7755, 7637..7858		

Seq. No.	31983	Seq. ID	OJ991008_18.0106.C10
Gene No.	66145	Strand	-
Start	4713	End	10359
Name	OJ991008_18.0106.C10.o2.np	Method	AAT/NAP
Start	4713	End	10359
GI	6498441	Score	6804
Exons	4713..4994, 5088..6485, 6657..7037, 7229..7571, 7745..7879,		

8063..8436, 8500..8963, 9294..10359
GI Descrip. (AP000815) EST C72786(E2258) corresponds to a region of the predicted gene.; Similar to Sorghum bicolor Gypsy-Ty3 type retrotransposon RetroSor1. (AF098806) [Oryza sativa]

Seq. No.	31983	Seq. ID	OJ991008_18.0106.C10
Gene No.	66145	Strand	-
Start	4713	End	10359
Name	OJ991008_18.0106.C10.o4.tm	Method	TBLASTX:Maize
Start	4713	End	4853
GI	none	Score	117
Exons	4713..4853, 4714..4848		

Seq. No.	31983	Seq. ID	OJ991008_18.0106.C10
Gene No.	66145	Strand	-
Start	4713	End	10359
Name	OJ991008_18.0106.C10.o6.tw	Method	TBLASTX:Wheat
Start	4722	End	5324
GI	none	Score	81
Exons	4722..4847, 4726..4848, 5028..5324, 5041..5184, 5082..5186, 5221..5319, 5249..5320		

Seq. No.	31983	Seq. ID	OJ991008_18.0106.C10
Gene No.	66145	Strand	-
Start	4713	End	10359
Name	OJ991008_18.0106.C10.o4.tw	Method	TBLASTX:Wheat
Start	5325	End	5706
GI	none	Score	169
Exons	5325..5705, 5356..5604, 5364..5609, 5650..5706		

Seq. No.	31983	Seq. ID	OJ991008_18.0106.C10
Gene No.	66145	Strand	-
Start	4713	End	10359
Name	OJ991008_18.0106.C10.o2.tm	Method	TBLASTX:Maize
Start	5520	End	5843
GI	none	Score	201
Exons	5520..5843, 5533..5814		

Seq. No.	31983	Seq. ID	OJ991008_18.0106.C10
Gene No.	66145	Strand	-
Start	4713	End	10359
Name	OJ991008_18.0106.C10.o8.tw	Method	TBLASTX:Wheat
Start	6036	End	6348
GI	none	Score	65
Exons	6036..6296, 6172..6348		

Seq. No.	31983	Seq. ID	OJ991008_18.0106.C10
Gene No.	66145	Strand	-
Start	4713	End	10359
Name	OJ991008_18.0106.C10.o2.ts	Method	TBLASTX:Soybean
Start	6096	End	6662
GI	5666795	Score	68
Exons	6096..6296, 6351..6488, 6564..6662		
GI Descrip.	4206306 2.0e-10 (AF049110) prpol [Zea mays]		

Seq. No.	31983	Seq. ID	OJ991008_18.0106.C10
Gene No.	66145	Strand	-

Start	4713	End	10359
Name	OJ991008_18.0106.C10.o5.tw	Method	TBLASTX:Wheat
Start	6351	End	6785
GI	none	Score	88
Exons	6351..6500, 6352..6489, 6354..6491, 6534..6785, 6544..6720, 6588..6785		

Seq. No.	31983	Seq. ID	OJ991008_18.0106.C10
Gene No.	66145	Strand	-
Start	4713	End	10359
Name	OJ991008_18.0106.C10.o1.ts	Method	TBLASTX:Soybean
Start	7409	End	7779
GI	none	Score	83
Exons	7409..7639, 7636..7779, 7637..7762		

Seq. No.	31983	Seq. ID	OJ991008_18.0106.C10
Gene No.	66145	Strand	-
Start	4713	End	10359
Name	OJ991008_18.0106.C10.o3.tm	Method	TBLASTX:Maize
Start	7532	End	7915
GI	none	Score	194
Exons	7532..7642, 7636..7914, 7637..7915		

Seq. No.	31983	Seq. ID	OJ991008_18.0106.C10
Gene No.	66145	Strand	-
Start	4713	End	10359
Name	OJ991008_18.0106.C10.o1.tm	Method	TBLASTX:Maize
Start	7942	End	8298
GI	none	Score	113
Exons	7942..8247, 7942..8298, 7952..8263		

Seq. No.	31983	Seq. ID	OJ991008_18.0106.C10
Gene No.	66145	Strand	-
Start	4713	End	10359
Name	OJ991008_18.0106.C10.o1.tw	Method	TBLASTX:Wheat
Start	7966	End	8429
GI	none	Score	226
Exons	7966..8427, 7972..8427, 7973..8428, 7986..8429		

Seq. No.	31983	Seq. ID	OJ991008_18.0106.C10
Gene No.	66145	Strand	-
Start	4713	End	10359
Name	OJ991008_18.0106.C10.o3.tw	Method	TBLASTX:Wheat
Start	8593	End	9079
GI	none	Score	74
Exons	8593..9078, 8620..8814, 8624..8884, 8906..9079		

Seq. No.	31983	Seq. ID	OJ991008_18.0106.C10
Gene No.	66145	Strand	-
Start	4713	End	10359
Name	OJ991008_18.0106.C10.o7.tw	Method	TBLASTX:Wheat
Start	9817	End	10210
GI	none	Score	69
Exons	9817..9936, 9935..10063, 9936..10091, 10058..10156, 10059..10151, 10163..10210		

Seq. No.	31984	Seq. ID	OJ991008_18.0106.C11

Gene No.	66146	Strand	+
Start	9	End	2019
Name	OJ991008_18.0106.C11.o1.gs	Method	GENSCAN
Start	9	End	2019
GI	none	Score	.5
Exons	9..65, 303..473, 746..883, 1516..1616, 1910..2019		

Seq. No.	31984	Seq. ID	OJ991008_18.0106.C11
Gene No.	66147	Strand	-
Start	1	End	506
Name	OJ991008_18.0106.C11.o1.np	Method	AAT/NAP
Start	1	End	506
GI	5922623	Score	86
Exons	1..43, 421..506		
GI Descrip.	(AP000492) hypothetical protein [Oryza sativa] gi\|6016856\|dbj\|BAA85199.1\| (AP000570) hypothetical protein [Oryza sativa]		

Seq. No.	31985	Seq. ID	OJ991008_18.0106.C12
Gene No.	66148	Strand	+
Start	13382	End	17654
Name	OJ991008_18.0106.C12.o2.np	Method	AAT/NAP
Start	13203	End	14933
GI	6721512	Score	71
Exons	13203..13307, 13336..13485, 14814..14933		
GI Descrip.	(AP001072) hypothetical protein [Oryza sativa]		

Seq. No.	31985	Seq. ID	OJ991008_18.0106.C12
Gene No.	66148	Strand	+
Start	13382	End	17654
Name	OJ991008_18.0106.C12.o3.gs	Method	GENSCAN
Start	13382	End	17654
GI	none	Score	.71
Exons	13382..13420, 13542..13720, 14113..14240, 14610..14861, 14941..15065, 15133..15324, 15509..16155, 16425..16570, 16695..16759, 16826..17146, 17577..17654		

Seq. No.	31985	Seq. ID	OJ991008_18.0106.C12
Gene No.	66148	Strand	+
Start	13382	End	17654
Name	OJ991008_18.0106.C12.o3.np	Method	AAT/NAP
Start	14189	End	16288
GI	6721561	Score	1147
Exons	14189..14257, 15133..15324, 15395..15453, 15520..16288		
GI Descrip.	(AP001073) EST AU082058(C12976) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa] gi\|6815086\|dbj\|BAA90372.1\| (AP001081) EST AU082058(C12976) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	31985	Seq. ID	OJ991008_18.0106.C12
Gene No.	66149	Strand	-
Start	752	End	3168
Name	OJ991008_18.0106.C12.o1.gs	Method	GENSCAN
Start	752	End	3168
GI	none	Score	.69
Exons	752..1498, 2555..2803, 2821..3168		

Seq. No.	31985	Seq. ID	OJ991008_18.0106.C12
Gene No.	66150	Strand	-
Start	4422	End	12221
Name	OJ991008_18.0106.C12.o2.gs	Method	GENSCAN
Start	4422	End	12181
GI	none	Score	.63
Exons	4422..4444, 6078..6224, 6549..7235, 8675..8710, 8930..9083, 9196..9308, 9499..9616, 9727..9846, 9929..10066, 10357..10482, 10624..10812, 10916..11203, 11309..11339, 11979..12181		

Seq. No.	31985	Seq. ID	OJ991008_18.0106.C12
Gene No.	66150	Strand	-
Start	4422	End	12221
Name	OJ991008_18.0106.C12.o1.gp	Method	AAT/GAP
Start	8440	End	12221
GI	1913_1.R1084	Score	3532
Exons	8440..8786, 8866..9083, 9196..9308, 9499..9616, 9727..9846, 9929..10066, 10357..10482, 10624..10812, 10916..11203, 11309..11339, 11979..12221		
GI Descrip.	'1709619/sp\|P52588\|PDI_MAIZE 1.0e-174 PROTEIN DISULFIDE ISOMERASE PRECURSOR (PDI) >gi_2146814_pir__S69181 protein disulfide isomerase (EC 5.3.4.1) precursor - maize >gi_625148 (L39014) protein disulfide isomerase [Zea mays]'		

Seq. No.	31985	Seq. ID	OJ991008_18.0106.C12
Gene No.	66150	Strand	-
Start	4422	End	12221
Name	OJ991008_18.0106.C12.o1.np	Method	AAT/NAP
Start	8874	End	12184
GI	1709619	Score	1948
Exons	8874..9083, 9196..9308, 9499..9616, 9727..9846, 9929..10066, 10357..10482, 10624..10812, 10916..11203, 11309..11339, 11979..12184		
GI Descrip.	PROTEIN DISULFIDE ISOMERASE PRECURSOR (PDI) gi\|2146814\|pir\|\|S69181 protein disulfide isomerase (EC 5.3.4.1) precursor - maize gi\|625148 (L39014) protein disulfide isomerase [Zea mays]		

Seq. No.	31985	Seq. ID	OJ991008_18.0106.C12
Gene No.	66151	Strand	-
Start	19318	End	19842
Name	OJ991008_18.0106.C12.o1.ts	Method	TBLASTX:Soybean
Start	8851	End	12058
GI	none	Score	70
Exons	8851..9048, 8925..9053, 8953..9051, 9054..9083, 9058..9084, 9196..9312, 9203..9310, 9205..9309, 9206..9334, 9257..9304, 9500..9619, 9500..9616, 9730..9849, 9731..9883, 9929..10069, 10297..10494, 10352..10483, 10615..10812, 10624..10812, 10913..11206, 10914..11204, 10979..11206, 11309..11338, 11310..11339, 11976..12017, 11978..12058		

Seq. No.	31985	Seq. ID	OJ991008_18.0106.C12
Gene No.	66151	Strand	-
Start	19318	End	19842
Name	OJ991008_18.0106.C12.o1.tc	Method	TBLASTX:Cress
Start	8864	End	12058

GI	none	Score	37
Exons	8864..8899, 8908..9048, 8925..9053, 8943..9053, 8982..9083, 9054..9083, 9055..9090, 9205..9309, 9257..9304, 9265..9312, 9500..9622, 9501..9623, 9730..9876, 9734..9847, 9736..9849, 9929..10069, 9931..10032, 10141..10200, 10297..10494, 10310..10483, 10600..10812, 10622..10813, 10624..10830, 10913..11206, 10926..11204, 11068..11214, 11074..11235, 11309..11338, 11310..11339, 11976..12017, 11978..12058		

Seq. No.	31985	Seq. ID	OJ991008_18.0106.C12
Gene No.	66151	Strand	-
Start	19318	End	19842
Name	OJ991008_18.0106.C12.o1.tm	Method	TBLASTX:Maize
Start	8928	End	12169
GI	none	Score	104
Exons	8928..9083, 8932..9084, 8946..9077, 8950..9090, 9193..9309, 9195..9308, 9196..9309, 9196..9312, 9257..9304, 9500..9616, 9500..9616, 9715..9849, 9719..9847, 9726..9848, 9727..9849, 9906..10067, 9918..10067, 9919..10068, 9929..10069, 10300..10494, 10310..10483, 10356..10484, 10357..10485, 10615..10812, 10623..10811, 10682..10813, 10913..11206, 10914..11204, 10916..11206, 11309..11338, 11310..11339, 11311..11340, 11967..12017, 11975..12061, 11978..12058, 12137..12169		

Seq. No.	31985	Seq. ID	OJ991008_18.0106.C12
Gene No.	66151	Strand	-
Start	19318	End	19842
Name	OJ991008_18.0106.C12.o1.tw	Method	TBLASTX:Wheat
Start	10706	End	11206
GI	none	Score	151
Exons	10706..10813, 10706..10810, 10708..10830, 10708..10812, 10928..11206, 10929..11204		

Seq. No.	31985	Seq. ID	OJ991008_18.0106.C12
Gene No.	66151	Strand	-
Start	19318	End	19842
Name	OJ991008_18.0106.C12.o4.gs	Method	GENSCAN
Start	19318	End	19812
GI	none	Score	.5
Exons	19318..19596, 19660..19812		

Seq. No.	31985	Seq. ID	OJ991008_18.0106.C12
Gene No.	66151	Strand	-
Start	19318	End	19842
Name	OJ991008_18.0106.C12.o4.np	Method	AAT/NAP
Start	19321	End	19842
GI	5902445	Score	467
Exons	19321..19842		
GI Descrip.	(AB030283) GAG-POL precursor [Oryza sativa]		

Seq. No.	31985	Seq. ID	OJ991008_18.0106.C12
Gene No.	66151	Strand	-
Start	19318	End	19842
Name	OJ991008_18.0106.C12.o2.tw	Method	TBLASTX:Wheat
Start	19330	End	19842
GI	none	Score	67

Exons	19330..19461, 19331..19456, 19486..19842, 19682..19789		
Seq. No.	31986	Seq. ID	OJ991008_18.0106.C13
Gene No.	66152	Strand	+
Start	3629	End	5392
Name	OJ991008_18.0106.C13.o2.np	Method	AAT/NAP
Start	3629	End	5392
GI	6721512	Score	96
Exons	3629..3776, 3805..3915, 4549..4678, 5350..5392		
GI Descrip.	(AP001072) hypothetical protein [Oryza sativa]		
Seq. No.	31986	Seq. ID	OJ991008_18.0106.C13
Gene No.	66153	Strand	+
Start	6244	End	6713
Name	OJ991008_18.0106.C13.o1.gp	Method	AAT/GAP
Start	6244	End	6713
GI	none	Score	884
Exons	6244..6713		
Seq. No.	31986	Seq. ID	OJ991008_18.0106.C13
Gene No.	66154	Strand	-
Start	1	End	4853
Name	OJ991008_18.0106.C13.o1.np	Method	AAT/NAP
Start	1	End	4853
GI	4680183	Score	1182
Exons	1..360, 448..488, 954..2168, 2355..2691, 4825..4853		
GI Descrip.	(AF111709) gag-pol protein [Oryza sativa subsp. indica]		
Seq. No.	31986	Seq. ID	OJ991008_18.0106.C13
Gene No.	66155	Strand	-
Start	6513	End	7435
Name	OJ991008_18.0106.C13.o1.tm	Method	TBLASTX:Maize
Start	22	End	378
GI	none	Score	211
Exons	22..378, 23..316, 76..324		
Seq. No.	31986	Seq. ID	OJ991008_18.0106.C13
Gene No.	66155	Strand	-
Start	6513	End	7435
Name	OJ991008_18.0106.C13.o1.tw	Method	TBLASTX:Wheat
Start	52	End	508
GI	none	Score	344
Exons	52..507, 53..508		
Seq. No.	31986	Seq. ID	OJ991008_18.0106.C13
Gene No.	66155	Strand	-
Start	6513	End	7435
Name	OJ991008_18.0106.C13.o2.ts	Method	TBLASTX:Soybean
Start	103	End	468
GI	none	Score	97
Exons	103..237, 253..468		
Seq. No.	31986	Seq. ID	OJ991008_18.0106.C13
Gene No.	66155	Strand	-
Start	6513	End	7435
Name	OJ991008_18.0106.C13.o2.tw	Method	TBLASTX:Wheat
Start	700	End	1155

GI	none	Score	149
Exons	700..936, 710..934, 973..1155, 1046..1147		

Seq. No.	31986	Seq. ID	OJ991008_18.0106.C13
Gene No.	66155	Strand	-
Start	6513	End	7435
Name	OJ991008_18.0106.C13.o3.tw	Method	TBLASTX:Wheat
Start	1784	End	2182
GI	none	Score	100
Exons	1784..2059, 1785..2018, 2018..2131, 2070..2120, 2132..2182		

Seq. No.	31986	Seq. ID	OJ991008_18.0106.C13
Gene No.	66155	Strand	-
Start	6513	End	7435
Name	OJ991008_18.0106.C13.o2.gs	Method	GENSCAN
Start	6513	End	7382
GI	none	Score	.98
Exons	6513..7382		

Seq. No.	31986	Seq. ID	OJ991008_18.0106.C13
Gene No.	66155	Strand	-
Start	6513	End	7435
Name	OJ991008_18.0106.C13.o2.tm	Method	TBLASTX:Maize
Start	6913	End	7386
GI	none	Score	208
Exons	6913..6972, 6951..6989, 6984..7142, 6985..7122, 7113..7382, 7114..7383, 7114..7386		

Seq. No.	31986	Seq. ID	OJ991008_18.0106.C13
Gene No.	66155	Strand	-
Start	6513	End	7435
Name	OJ991008_18.0106.C13.o2.gp	Method	AAT/GAP
Start	7033	End	7435
GI	11912_1.R1084	Score	779
Exons	7033..7435		
GI Descrip.	'5803242/dbj\|AP000399.1\|AP000399 0.0e+00 Oryza sativa genomic DNA, chromosome 6, clone:P0535G04'		

Seq. No.	31986	Seq. ID	OJ991008_18.0106.C13
Gene No.	66155	Strand	-
Start	6513	End	7435
Name	OJ991008_18.0106.C13.o1.ts	Method	TBLASTX:Soybean
Start	7173	End	7379
GI	none	Score	155
Exons	7173..7379, 7174..7374		

Seq. No.	31987	Seq. ID	OJ991008_18.0106.C14
Gene No.	66156	Strand	+
Start	5882	End	10679
Name	OJ991008_18.0106.C14.o2.gs	Method	GENSCAN
Start	5882	End	10679
GI	none	Score	.58
Exons	5882..8641, 8779..8945, 8959..9128, 9150..9546, 9594..9750, 9831..10679		

Seq. No.	31987	Seq. ID	OJ991008_18.0106.C14
Gene No.	66156	Strand	+

Start	5882	End	10679
Name	OJ991008_18.0106.C14.o2.np	Method	AAT/NAP
Start	5882	End	10676
GI	5295971	Score	7830
Exons	5882..10676		
GI Descrip.	(AB026295) EST D24315(R1718) corresponds to a region of the predicted gene.; Similar to Tobacco DNA for retroviral-like transposon Tnt 1-94.(X13777) [Oryza sativa]		

Seq. No.	31987	Seq. ID	OJ991008_18.0106.C14
Gene No.	66157	Strand	-
Start	1425	End	15069
Name	OJ991008_18.0106.C14.o1.gp	Method	AAT/GAP
Start	172	End	315
GI	11912_1.R1084	Score	243
Exons	172..315		
GI Descrip.	'5803242/dbj\|AP000399.1\|AP000399 0.0e+00 Oryza sativa genomic DNA, chromosome 6, clone:P0535G04'		

Seq. No.	31987	Seq. ID	OJ991008_18.0106.C14
Gene No.	66157	Strand	-
Start	1425	End	15069
Name	OJ991008_18.0106.C14.o2.gp	Method	AAT/GAP
Start	1073	End	1528
GI	4971_1.R1084	Score	877
Exons	1073..1528		
GI Descrip.	'19046/emb\|X64254\|HVMRNA 3.0e-21 H.vulgare mRNA for seed protein B32E'		

Seq. No.	31987	Seq. ID	OJ991008_18.0106.C14
Gene No.	66157	Strand	-
Start	1425	End	15069
Name	OJ991008_18.0106.C14.o1.gs	Method	GENSCAN
Start	1425	End	4933
GI	none	Score	.56
Exons	1425..2111, 2531..2654, 2740..2825, 3494..3575, 4227..4378, 4910..4933		

Seq. No.	31987	Seq. ID	OJ991008_18.0106.C14
Gene No.	66157	Strand	-
Start	1425	End	15069
Name	OJ991008_18.0106.C14.o11.tm	Method	TBLASTX:Maize
Start	1425	End	1631
GI	none	Score	95
Exons	1425..1631, 1428..1523, 1429..1617, 1557..1619		

Seq. No.	31987	Seq. ID	OJ991008_18.0106.C14
Gene No.	66157	Strand	-
Start	1425	End	15069
Name	OJ991008_18.0106.C14.o1.np	Method	AAT/NAP
Start	1428	End	2213
GI	282995	Score	1038
Exons	1428..2213		
GI Descrip.	seed protein B32E - barley (fragment) gi\|1345530\|emb\|CAA45538\| (X64254) B32E [Hordeum vulgare]		

Seq. No.	31987	Seq. ID	OJ991008_18.0106.C14

Gene No.	66157	Strand	-
Start	1425	End	15069
Name	OJ991008_18.0106.C14.o5.tm	Method	TBLASTX:Maize
Start	1658	End	2230
GI	none	Score	47
Exons	1658..1711, 1659..1718, 1660..1728, 1662..1781, 1693..1761, 1699..1872, 1758..2114, 1870..1908, 1887..1931, 1887..1964, 1906..2214, 1907..2215, 2003..2230, 2004..2222		

Seq. No.	31987	Seq. ID	OJ991008_18.0106.C14
Gene No.	66157	Strand	-
Start	1425	End	15069
Name	OJ991008_18.0106.C14.o4.ts	Method	TBLASTX:Soybean
Start	1710	End	13218
GI	none	Score	72
Exons	1710..1757, 2045..2146, 2049..2114, 2411..2506, 2570..2656, 2742..2825, 2743..2826, 3494..3577, 4783..4821, 4860..4940, 4863..4937, 5150..5266, 5166..5264, 11101..11205, 11102..11191, 11122..11199, 11135..11212, 13116..13214, 13117..13218		

Seq. No.	31987	Seq. ID	OJ991008_18.0106.C14
Gene No.	66157	Strand	-
Start	1425	End	15069
Name	OJ991008_18.0106.C14.o3.gp	Method	AAT/GAP
Start	1927	End	2830
GI	5796_1.R1084	Score	1152
Exons	1927..2214, 2418..2654, 2740..2830		
GI Descrip.	'282995/pir\|\|S22534 1.0e-20 seed protein B32E - barley (fragment) >gi_1345530_emb_CAA45538_ (X64254) B32E [Hordeum vulgare]'		

Seq. No.	31987	Seq. ID	OJ991008_18.0106.C14
Gene No.	66157	Strand	-
Start	1425	End	15069
Name	OJ991008_18.0106.C14.o8.tm	Method	TBLASTX:Maize
Start	2411	End	11185
GI	none	Score	67
Exons	2411..2464, 2417..2464, 2441..2533, 2466..2531, 2558..2659, 2567..2653, 2571..2705, 2572..2682, 2725..2826, 2736..2831, 2739..2825, 3494..3577, 3494..3577, 3495..3578, 4749..4784, 4779..4931, 4815..4931, 5131..5265, 5145..5264, 5150..5266, 5150..5266, 11101..11184, 11122..11184, 11132..11185		

Seq. No.	31987	Seq. ID	OJ991008_18.0106.C14
Gene No.	66157	Strand	-
Start	1425	End	15069
Name	OJ991008_18.0106.C14.o4.gp	Method	AAT/GAP
Start	3451	End	13667
GI	48709_1.R1084	Score	1787
Exons	3451..3575, 4762..4934, 5150..5263, 11101..11199, 11482..11560, 13117..13255, 13391..13667		
GI Descrip.	'3395431 1.0e-43 (AC004683) unknown protein [Arabidopsis thaliana]'		

Seq. No.	31987	Seq. ID	OJ991008_18.0106.C14
Gene No.	66157	Strand	-
Start	1425	End	15069

Name	OJ991008_18.0106.C14.o7.tm	Method	TBLASTX:Maize
Start	6269	End	6565
GI	none	Score	45
Exons	6269..6304, 6274..6489, 6339..6458, 6350..6565, 6350..6565		

Seq. No.	31987	Seq. ID	OJ991008_18.0106.C14
Gene No.	66157	Strand	-
Start	1425	End	15069
Name	OJ991008_18.0106.C14.o1.tm	Method	TBLASTX:Maize
Start	6800	End	7516
GI	none	Score	384
Exons	6800..7075, 6815..7030, 6817..7074, 6992..7087, 7056..7085, 7057..7089, 7095..7274, 7095..7229, 7096..7332, 7154..7339, 7258..7512, 7265..7516		

Seq. No.	31987	Seq. ID	OJ991008_18.0106.C14
Gene No.	66157	Strand	-
Start	1425	End	15069
Name	OJ991008_18.0106.C14.o1.tw	Method	TBLASTX:Wheat
Start	7441	End	7894
GI	none	Score	338
Exons	7441..7809, 7442..7807, 7574..7834, 7814..7894, 7819..7893		

Seq. No.	31987	Seq. ID	OJ991008_18.0106.C14
Gene No.	66157	Strand	-
Start	1425	End	15069
Name	OJ991008_18.0106.C14.o9.tm	Method	TBLASTX:Maize
Start	7531	End	7771
GI	none	Score	315
Exons	7531..7770, 7532..7771		

Seq. No.	31987	Seq. ID	OJ991008_18.0106.C14
Gene No.	66157	Strand	-
Start	1425	End	15069
Name	OJ991008_18.0106.C14.o5.ts	Method	TBLASTX:Soybean
Start	7832	End	8107
GI	none	Score	195
Exons	7832..8107, 7928..8008		

Seq. No.	31987	Seq. ID	OJ991008_18.0106.C14
Gene No.	66157	Strand	-
Start	1425	End	15069
Name	OJ991008_18.0106.C14.o3.tw	Method	TBLASTX:Wheat
Start	7967	End	8527
GI	none	Score	110
Exons	7967..8107, 8168..8431, 8182..8331, 8434..8511, 8438..8527		

Seq. No.	31987	Seq. ID	OJ991008_18.0106.C14
Gene No.	66157	Strand	-
Start	1425	End	15069
Name	OJ991008_18.0106.C14.o2.tm	Method	TBLASTX:Maize
Start	8170	End	8596
GI	none	Score	684
Exons	8170..8595, 8174..8596, 8201..8596		

Seq. No.	31987	Seq. ID	OJ991008_18.0106.C14
Gene No.	66157	Strand	-

Start	1425	End	15069
Name	OJ991008_18.0106.C14.o1.ts	Method	TBLASTX:Soybean
Start	8201	End	8680
GI	none	Score	354
Exons	8201..8512, 8206..8496, 8297..8497, 8534..8680		

Seq. No.	31987	Seq. ID	OJ991008_18.0106.C14
Gene No.	66157	Strand	-
Start	1425	End	15069
Name	OJ991008_18.0106.C14.o2.tc	Method	TBLASTX:Cress
Start	8216	End	8650
GI	none	Score	207
Exons	8216..8509, 8266..8298, 8356..8502, 8534..8650		

Seq. No.	31987	Seq. ID	OJ991008_18.0106.C14
Gene No.	66157	Strand	-
Start	1425	End	15069
Name	OJ991008_18.0106.C14.o3.ts	Method	TBLASTX:Soybean
Start	9131	End	9624
GI	5509260	Score	223
Exons	9131..9415, 9211..9387, 9410..9553, 9448..9537, 9517..9624, 9558..9605		
GI Descrip.	-		

Seq. No.	31987	Seq. ID	OJ991008_18.0106.C14
Gene No.	66157	Strand	-
Start	1425	End	15069
Name	OJ991008_18.0106.C14.o6.tm	Method	TBLASTX:Maize
Start	9182	End	9475
GI	none	Score	285
Exons	9182..9433, 9208..9387, 9410..9475, 9410..9475		

Seq. No.	31987	Seq. ID	OJ991008_18.0106.C14
Gene No.	66157	Strand	-
Start	1425	End	15069
Name	OJ991008_18.0106.C14.o3.tc	Method	TBLASTX:Cress
Start	9253	End	9514
GI	none	Score	152
Exons	9253..9384, 9254..9427, 9410..9514		

Seq. No.	31987	Seq. ID	OJ991008_18.0106.C14
Gene No.	66157	Strand	-
Start	1425	End	15069
Name	OJ991008_18.0106.C14.o2.tw	Method	TBLASTX:Wheat
Start	9298	End	9848
GI	none	Score	120
Exons	9298..9387, 9299..9427, 9410..9532, 9451..9531, 9517..9639, 9538..9615, 9625..9804, 9801..9848		

Seq. No.	31987	Seq. ID	OJ991008_18.0106.C14
Gene No.	66157	Strand	-
Start	1425	End	15069
Name	OJ991008_18.0106.C14.o3.tm	Method	TBLASTX:Maize
Start	9676	End	10066
GI	none	Score	197
Exons	9676..9804, 9676..9735, 9678..9803, 9798..10064, 9801..10064, 9803..10066		

Seq. No.	31987	Seq. ID	OJ991008_18.0106.C14
Gene No.	66157	Strand	-
Start	1425	End	15069
Name	OJ991008_18.0106.C14.o5.tw	Method	TBLASTX:Wheat
Start	9849	End	10160
GI	none	Score	64
Exons	9849..9956, 9981..10160		

Seq. No.	31987	Seq. ID	OJ991008_18.0106.C14
Gene No.	66157	Strand	-
Start	1425	End	15069
Name	OJ991008_18.0106.C14.o1.tc	Method	TBLASTX:Cress
Start	9981	End	10643
GI	none	Score	255
Exons	9981..10268, 10043..10153, 10175..10267, 10277..10354, 10278..10358, 10425..10643, 10433..10639		

Seq. No.	31987	Seq. ID	OJ991008_18.0106.C14
Gene No.	66157	Strand	-
Start	1425	End	15069
Name	OJ991008_18.0106.C14.o2.ts	Method	TBLASTX:Soybean
Start	10002	End	10652
GI	none	Score	147
Exons	10002..10163, 10175..10336, 10176..10337, 10419..10652, 10433..10519		

Seq. No.	31987	Seq. ID	OJ991008_18.0106.C14
Gene No.	66157	Strand	-
Start	1425	End	15069
Name	OJ991008_18.0106.C14.o12.tm	Method	TBLASTX:Maize
Start	10068	End	10247
GI	none	Score	195
Exons	10068..10247, 10070..10246		

Seq. No.	31987	Seq. ID	OJ991008_18.0106.C14
Gene No.	66157	Strand	-
Start	1425	End	15069
Name	OJ991008_18.0106.C14.o4.tw	Method	TBLASTX:Wheat
Start	10194	End	10613
GI	none	Score	120
Exons	10194..10364, 10277..10354, 10410..10613, 10419..10601		

Seq. No.	31987	Seq. ID	OJ991008_18.0106.C14
Gene No.	66157	Strand	-
Start	1425	End	15069
Name	OJ991008_18.0106.C14.o4.tm	Method	TBLASTX:Maize
Start	10253	End	10642
GI	none	Score	520
Exons	10253..10360, 10254..10640, 10256..10642, 10285..10518, 10347..10640, 10418..10642		

Seq. No.	31987	Seq. ID	OJ991008_18.0106.C14
Gene No.	66157	Strand	-
Start	1425	End	15069
Name	OJ991008_18.0106.C14.o3.gs	Method	GENSCAN
Start	11022	End	15069

GI	none	Score	.71
Exons	11022..11045, 11101..11199, 11482..11589, 12256..12268, 13117..13255, 13307..13477, 15012..15069		

Seq. No.	31987	Seq. ID	OJ991008_18.0106.C14
Gene No.	66157	Strand	-
Start	1425	End	15069
Name	OJ991008_18.0106.C14.o13.tm	Method	TBLASTX:Maize
Start	11478	End	13230
GI	none	Score	81
Exons	11478..11561, 11479..11562, 11480..11563, 13116..13229, 13117..13230		

Seq. No.	31987	Seq. ID	OJ991008_18.0106.C14
Gene No.	66157	Strand	-
Start	1425	End	15069
Name	OJ991008_18.0106.C14.o10.tm	Method	TBLASTX:Maize
Start	12113	End	12532
GI	none	Score	53
Exons	12113..12370, 12382..12450, 12476..12532		

Seq. No.	31988	Seq. ID	OJ991008_18.0106.C15
Gene No.	66158	Strand	-
Start	847	End	2771
Name	OJ991008_18.0106.C15.o1.gs	Method	GENSCAN
Start	847	End	2771
GI	none	Score	.69
Exons	847..920, 2690..2771		

Seq. No.	31989	Seq. ID	OJ991008_18.0106.C16
Gene No.	66159	Strand	-
Start	1	End	187
Name	OJ991008_18.0106.C16.o1.gp	Method	AAT/GAP
Start	1	End	187
GI	63371_1.R1084	Score	361
Exons	1..187		
GI Descrip.	'5803242/dbj\|AP000399.1\|AP000399 0.0e+00 Oryza sativa genomic DNA, chromosome 6, clone:P0535G04'		

Seq. No.	31989	Seq. ID	OJ991008_18.0106.C16
Gene No.	66160	Strand	-
Start	1203	End	2196
Name	OJ991008_18.0106.C16.o1.np	Method	AAT/NAP
Start	1194	End	1489
GI	6539588	Score	243
Exons	1194..1489		
GI Descrip.	(AP000837) hypothetical protein [Oryza sativa]		

Seq. No.	31989	Seq. ID	OJ991008_18.0106.C16
Gene No.	66160	Strand	-
Start	1203	End	2196
Name	OJ991008_18.0106.C16.o2.gs	Method	GENSCAN
Start	1203	End	2196
GI	none	Score	.95
Exons	1203..1450, 1709..1832, 2002..2196		

Seq. No.	31990	Seq. ID	OJ991008_18.0106.C18

Gene No.	66161	Strand	-
Start	347	End	506
Name	OJ991008_18.0106.C18.o1.gs	Method	GENSCAN
Start	347	End	506
GI	none	Score	.94
Exons	347..506		

Seq. No.	31991	Seq. ID	OJ991008_15.0105.C1
Gene No.	66162	Strand	+
Start	628	End	993
Name	OJ991008_15.0105.C1.o1.gs	Method	GENSCAN
Start	628	End	993
GI	none	Score	.78
Exons	628..720, 811..993		

Seq. No.	31992	Seq. ID	OJ991008_15.0105.C2
Gene No.	66163	Strand	+
Start	1141	End	6934
Name	OJ991008_15.0105.C2.o1.gs	Method	GENSCAN
Start	1141	End	6934
GI	none	Score	.61
Exons	1141..1296, 2065..2190, 3243..3393, 4265..4351, 5200..5225, 6253..6521, 6699..6934		

Seq. No.	31992	Seq. ID	OJ991008_15.0105.C2
Gene No.	66164	Strand	-
Start	6969	End	13014
Name	OJ991008_15.0105.C2.o1.gp	Method	AAT/GAP
Start	6969	End	8744
GI	294701	Score	2894
Exons	6969..7976, 8075..8235, 8334..8471, 8567..8744		
GI Descrip.	584681/sp\|Q07215\|1A11_ORYSA 0.0e+00 1-AMINOCYCLOPROPANE-1-CARBOXYLATE SYNTHASE 1 (ACC SYNTHASE 1) (S-ADENOSYL-L-METHIONINE METHYLTHIOADENOSINE-LYASE 1) >gi_294702 (M96672) 1-aminocyclopropane-1-carboxylate synthase [Oryza sativa]		

Seq. No.	31992	Seq. ID	OJ991008_15.0105.C2
Gene No.	66164	Strand	-
Start	6969	End	13014
Name	OJ991008_15.0105.C2.o2.gs	Method	GENSCAN
Start	6989	End	13014
GI	none	Score	.93
Exons	6989..7976, 8075..8235, 8567..8767, 8855..8944, 9093..9480, 9819..10076, 10197..10260, 12951..13014		

Seq. No.	31992	Seq. ID	OJ991008_15.0105.C2
Gene No.	66164	Strand	-
Start	6969	End	13014
Name	OJ991008_15.0105.C2.o1.np	Method	AAT/NAP
Start	6992	End	8743
GI	542142	Score	2429
Exons	6992..7976, 8075..8235, 8334..8471, 8567..8743		
GI Descrip.	1-aminocyclopropane-1-carboxylate synthase (EC 4.4.1.14) - rice gi\|294704 (M96673) 1-aminocyclopropane-1-carboxylate synthase [Oryza sativa]		

Seq. No.	31992	Seq. ID	OJ991008_15.0105.C2
Gene No.	66164	Strand	-
Start	6969	End	13014
Name	OJ991008_15.0105.C2.o1.tm	Method	TBLASTX:Maize
Start	7067	End	7607
GI	none	Score	331
Exons	7067..7606, 7143..7607		

Seq. No.	31992	Seq. ID	OJ991008_15.0105.C2
Gene No.	66164	Strand	-
Start	6969	End	13014
Name	OJ991008_15.0105.C2.o1.tc	Method	TBLASTX:Cress
Start	7109	End	8705
GI	none	Score	359
Exons	7109..7684, 7110..7616, 7703..7975, 7704..7976, 8089..8238, 8090..8236, 8328..8399, 8403..8474, 8564..8704, 8565..8705		

Seq. No.	31992	Seq. ID	OJ991008_15.0105.C2
Gene No.	66164	Strand	-
Start	6969	End	13014
Name	OJ991008_15.0105.C2.o1.ts	Method	TBLASTX:Soybean
Start	7127	End	8731
GI	none	Score	254
Exons	7127..7618, 7146..7613, 7694..7975, 7722..7973, 8090..8236, 8092..8235, 8328..8399, 8403..8474, 8564..8731, 8571..8708		

Seq. No.	31992	Seq. ID	OJ991008_15.0105.C2
Gene No.	66164	Strand	-
Start	6969	End	13014
Name	OJ991008_15.0105.C2.o2.tm	Method	TBLASTX:Maize
Start	7703	End	8169
GI	none	Score	76
Exons	7703..7975, 8089..8169		

Seq. No.	31992	Seq. ID	OJ991008_15.0105.C2
Gene No.	66164	Strand	-
Start	6969	End	13014
Name	OJ991008_15.0105.C2.o1.tw	Method	TBLASTX:Wheat
Start	7892	End	8399
GI	none	Score	113
Exons	7892..7975, 8089..8238, 8090..8239, 8328..8399, 8329..8397		

Seq. No.	31993	Seq. ID	OJ991008_15.0105.C3
Gene No.	66165	Strand	-
Start	1	End	3447
Name	OJ991008_15.0105.C3.o1.np	Method	AAT/NAP
Start	1	End	2432
GI	4539658	Score	61
Exons	1..48, 956..1106, 2404..2432		
GI Descrip.	(AF061282) serine carboxypeptidase-like protein [Sorghum bicolor]		

Seq. No.	31993	Seq. ID	OJ991008_15.0105.C3
Gene No.	66165	Strand	-
Start	1	End	3447
Name	OJ991008_15.0105.C3.o1.gs	Method	GENSCAN
Start	895	End	3447

GI	none	Score	.67
Exons	895..916, 1717..1864, 2259..2295, 2784..3004, 3360..3447		

Seq. No.	31994	Seq. ID	OJ991008_15.0105.C4
Gene No.	66166	Strand	+
Start	3770	End	5213
Name	OJ991008_15.0105.C4.o1.gs	Method	GENSCAN
Start	3770	End	5213
GI	none	Score	.7
Exons	3770..3886, 3962..4252, 5091..5213		

Seq. No.	31994	Seq. ID	OJ991008_15.0105.C4
Gene No.	66167	Strand	-
Start	6056	End	6849
Name	OJ991008_15.0105.C4.o2.gs	Method	GENSCAN
Start	6056	End	6849
GI	none	Score	.84
Exons	6056..6193, 6717..6849		

Seq. No.	31995	Seq. ID	OJ991008_15.0105.C5
Gene No.	66168	Strand	+
Start	4956	End	6287
Name	OJ991008_15.0105.C5.o1.gs	Method	GENSCAN
Start	4956	End	6287
GI	none	Score	1
Exons	4956..6287		

Seq. No.	31995	Seq. ID	OJ991008_15.0105.C5
Gene No.	66169	Strand	-
Start	6588	End	7426
Name	OJ991008_15.0105.C5.o1.tm	Method	TBLASTX:Maize
Start	5727	End	6026
GI	none	Score	73
Exons	5727..5780, 5727..5783, 5747..5890, 5778..6026, 5792..6025		

Seq. No.	31995	Seq. ID	OJ991008_15.0105.C5
Gene No.	66169	Strand	-
Start	6588	End	7426
Name	OJ991008_15.0105.C5.o2.gs	Method	GENSCAN
Start	6588	End	7375
GI	none	Score	.84
Exons	6588..6623, 6915..7085, 7316..7375		

Seq. No.	31995	Seq. ID	OJ991008_15.0105.C5
Gene No.	66169	Strand	-
Start	6588	End	7426
Name	OJ991008_15.0105.C5.o1.np	Method	AAT/NAP
Start	7032	End	7426
GI	5042454	Score	172
Exons	7032..7085, 7316..7426		
GI Descrip.	(AC007789) putative polyprotein [Oryza sativa]		

Seq. No.	31996	Seq. ID	OJ991008_15.0105.C6
Gene No.	66170	Strand	+
Start	832	End	4272
Name	OJ991008_15.0105.C6.o1.gs	Method	GENSCAN
Start	832	End	4272

GI	none	Score	.9
Exons	832..2092, 2187..2306, 2312..4272		

Seq. No.	31996	Seq. ID	OJ991008_15.0105.C6
Gene No.	66170	Strand	+
Start	832	End	4272
Name	OJ991008_15.0105.C6.o1.np	Method	AAT/NAP
Start	832	End	4269
GI	6907089	Score	5067
Exons	832..2092, 2187..2478, 2629..4269		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		

Seq. No.	31996	Seq. ID	OJ991008_15.0105.C6
Gene No.	66171	Strand	+
Start	15732	End	16189
Name	OJ991008_15.0105.C6.o1.gp	Method	AAT/GAP
Start	15732	End	16189
GI	LIB3432-059-P1-K1-D8	Score	719
Exons	15732..16189		
GI Descrip.	'5734616/dbj\|AP000391.1\|AP000391 0.0e+00 Oryza sativa genomic DNA, chromosome 6, clone:P0538C01'		

Seq. No.	31996	Seq. ID	OJ991008_15.0105.C6
Gene No.	66172	Strand	-
Start	4900	End	12819
Name	OJ991008_15.0105.C6.o2.gs	Method	GENSCAN
Start	4900	End	8540
GI	none	Score	.79
Exons	4900..7867, 7876..8540		

Seq. No.	31996	Seq. ID	OJ991008_15.0105.C6
Gene No.	66172	Strand	-
Start	4900	End	12819
Name	OJ991008_15.0105.C6.o2.np	Method	AAT/NAP
Start	4903	End	10525
GI	6498441	Score	6833
Exons	4903..5184, 5278..6651, 6823..7119, 7312..7738, 7912..8046, 8230..8603, 8667..9130, 9461..10525		
GI Descrip.	(AP000815) EST C72786(E2258) corresponds to a region of the predicted gene.; Similar to Sorghum bicolor Gypsy-Ty3 type retrotransposon RetroSor1. (AF098806) [Oryza sativa]		

Seq. No.	31996	Seq. ID	OJ991008_15.0105.C6
Gene No.	66172	Strand	-
Start	4900	End	12819
Name	OJ991008_15.0105.C6.o3.gs	Method	GENSCAN
Start	8604	End	12819
GI	none	Score	.62
Exons	8604..9759, 9854..10079, 10233..10365, 10386..11075, 11141..11311, 11542..11631, 11731..11803, 11981..12061, 12728..12819		

Seq. No.	31996	Seq. ID	OJ991008_15.0105.C6
Gene No.	66172	Strand	-
Start	4900	End	12819
Name	OJ991008_15.0105.C6.o3.np	Method	AAT/NAP
Start	11258	End	12533

GI	5042454	Score	238
Exons	11258..11311, 11542..11714, 12451..12533		
GI Descrip.	(AC007789) putative polyprotein [Oryza sativa]		

Seq. No.	31996	Seq. ID	OJ991008_15.0105.C6
Gene No.	66173	Strand	-
Start	13479	End	13736
Name	OJ991008_15.0105.C6.o4.tm	Method	TBLASTX:Maize
Start	4897	End	5043
GI	none	Score	125
Exons	4897..5043, 4904..5038		

Seq. No.	31996	Seq. ID	OJ991008_15.0105.C6
Gene No.	66173	Strand	-
Start	13479	End	13736
Name	OJ991008_15.0105.C6.o6.tw	Method	TBLASTX:Wheat
Start	4912	End	5514
GI	none	Score	72
Exons	4912..5037, 4919..5038, 5068..5127, 5224..5514, 5231..5374, 5328..5381, 5411..5488, 5439..5510		

Seq. No.	31996	Seq. ID	OJ991008_15.0105.C6
Gene No.	66173	Strand	-
Start	13479	End	13736
Name	OJ991008_15.0105.C6.o4.tw	Method	TBLASTX:Wheat
Start	5542	End	5896
GI	none	Score	170
Exons	5542..5895, 5546..5794, 5840..5896		

Seq. No.	31996	Seq. ID	OJ991008_15.0105.C6
Gene No.	66173	Strand	-
Start	13479	End	13736
Name	OJ991008_15.0105.C6.o3.tm	Method	TBLASTX:Maize
Start	5710	End	6009
GI	none	Score	153
Exons	5710..5898, 5723..5896, 5887..6009		

Seq. No.	31996	Seq. ID	OJ991008_15.0105.C6
Gene No.	66173	Strand	-
Start	13479	End	13736
Name	OJ991008_15.0105.C6.o8.tw	Method	TBLASTX:Wheat
Start	6202	End	6514
GI	none	Score	67
Exons	6202..6462, 6338..6514		

Seq. No.	31996	Seq. ID	OJ991008_15.0105.C6
Gene No.	66173	Strand	-
Start	13479	End	13736
Name	OJ991008_15.0105.C6.o2.ts	Method	TBLASTX:Soybean
Start	6262	End	6828
GI	5666795	Score	68
Exons	6262..6462, 6517..6654, 6730..6828		
GI Descrip.	4206306 2.0e-10 (AF049110) prpol [Zea mays]		

Seq. No.	31996	Seq. ID	OJ991008_15.0105.C6
Gene No.	66173	Strand	-
Start	13479	End	13736

Name	OJ991008_15.0105.C6.o5.tw	Method	TBLASTX:Wheat
Start	6517	End	6975
GI	none	Score	92
Exons	6517..6654, 6517..6666, 6700..6951, 6701..6886, 6727..6975		

Seq. No.	31996	Seq. ID	OJ991008_15.0105.C6
Gene No.	66173	Strand	-
Start	13479	End	13736
Name	OJ991008_15.0105.C6.o1.ts	Method	TBLASTX:Soybean
Start	7576	End	7946
GI	none	Score	77
Exons	7576..7806, 7803..7946, 7804..7926		

Seq. No.	31996	Seq. ID	OJ991008_15.0105.C6
Gene No.	66173	Strand	-
Start	13479	End	13736
Name	OJ991008_15.0105.C6.o2.tw	Method	TBLASTX:Wheat
Start	7606	End	8025
GI	none	Score	119
Exons	7606..7812, 7613..7786, 7794..8024, 7795..8025		

Seq. No.	31996	Seq. ID	OJ991008_15.0105.C6
Gene No.	66173	Strand	-
Start	13479	End	13736
Name	OJ991008_15.0105.C6.o2.tm	Method	TBLASTX:Maize
Start	7699	End	8082
GI	none	Score	187
Exons	7699..7809, 7797..8081, 7798..8082		

Seq. No.	31996	Seq. ID	OJ991008_15.0105.C6
Gene No.	66173	Strand	-
Start	13479	End	13736
Name	OJ991008_15.0105.C6.o1.tm	Method	TBLASTX:Maize
Start	8109	End	8465
GI	none	Score	126
Exons	8109..8414, 8109..8465, 8119..8430		

Seq. No.	31996	Seq. ID	OJ991008_15.0105.C6
Gene No.	66173	Strand	-
Start	13479	End	13736
Name	OJ991008_15.0105.C6.o1.tw	Method	TBLASTX:Wheat
Start	8133	End	8595
GI	none	Score	228
Exons	8133..8594, 8139..8594, 8140..8595		

Seq. No.	31996	Seq. ID	OJ991008_15.0105.C6
Gene No.	66173	Strand	-
Start	13479	End	13736
Name	OJ991008_15.0105.C6.o3.ts	Method	TBLASTX:Soybean
Start	8190	End	8555
GI	none	Score	110
Exons	8190..8324, 8331..8555		

Seq. No.	31996	Seq. ID	OJ991008_15.0105.C6
Gene No.	66173	Strand	-
Start	13479	End	13736
Name	OJ991008_15.0105.C6.o3.tw	Method	TBLASTX:Wheat

Start	8760	End	9246
GI	none	Score	171
Exons	8760..9245, 8791..9051, 9073..9246		

Seq. No.	31996	Seq. ID	OJ991008_15.0105.C6
Gene No.	66173	Strand	-
Start	13479	End	13736
Name	OJ991008_15.0105.C6.o7.tw	Method	TBLASTX:Wheat
Start	9985	End	10536
GI	none	Score	95
Exons	9985..10242, 10019..10258, 10225..10338, 10226..10306, 10329..10376, 10501..10536		

Seq. No.	31996	Seq. ID	OJ991008_15.0105.C6
Gene No.	66173	Strand	-
Start	13479	End	13736
Name	OJ991008_15.0105.C6.o4.gs	Method	GENSCAN
Start	13479	End	13736
GI	none	Score	.66
Exons	13479..13736		

Seq. No.	31997	Seq. ID	OJ991008_15.0105.C7
Gene No.	66174	Strand	+
Start	2541	End	4160
Name	OJ991008_15.0105.C7.o2.np	Method	AAT/NAP
Start	2541	End	4160
GI	5042454	Score	559
Exons	2541..2684, 3146..3263, 3331..4160		
GI Descrip.	(AC007789) putative polyprotein [Oryza sativa]		

Seq. No.	31997	Seq. ID	OJ991008_15.0105.C7
Gene No.	66174	Strand	+
Start	2541	End	4160
Name	OJ991008_15.0105.C7.o2.gs	Method	GENSCAN
Start	3337	End	4023
GI	none	Score	.49
Exons	3337..3724, 3761..4023		

Seq. No.	31997	Seq. ID	OJ991008_15.0105.C7
Gene No.	66175	Strand	-
Start	228	End	1461
Name	OJ991008_15.0105.C7.o1.gp	Method	AAT/GAP
Start	228	End	1461
GI	4715992	Score	1116
Exons	228..759, 1389..1461		

Seq. No.	31997	Seq. ID	OJ991008_15.0105.C7
Gene No.	66176	Strand	-
Start	1389	End	4160
Name	OJ991008_15.0105.C7.o1.tm	Method	TBLASTX:Maize
Start	1294	End	1682
GI	none	Score	53
Exons	1294..1332, 1379..1417, 1379..1426, 1420..1596, 1422..1601, 1423..1575, 1431..1595, 1433..1597, 1603..1647, 1617..1643, 1621..1647, 1659..1682		

Seq. No.	31997	Seq. ID	OJ991008_15.0105.C7

Gene No.	66176	Strand	-
Start	1389	End	4160
Name	OJ991008_15.0105.C7.o1.np	Method	AAT/NAP
Start	1388	End	4160
GI	6723418	Score	166
Exons	1388..1554, 1606..1868, 1994..2125, 4128..4160		
GI Descrip.	(AL132965) putative protein [Arabidopsis thaliana]		

Seq. No.	31997	Seq. ID	OJ991008_15.0105.C7
Gene No.	66176	Strand	-
Start	1389	End	4160
Name	OJ991008_15.0105.C7.o1.gs	Method	GENSCAN
Start	1389	End	2412
GI	none	Score	.79
Exons	1389..1901, 2006..2125, 2320..2412		

Seq. No.	31998	Seq. ID	OJ991008_15.0105.C8
Gene No.	66177	Strand	+
Start	38	End	1990
Name	OJ991008_15.0105.C8.o1.gs	Method	GENSCAN
Start	38	End	1990
GI	none	Score	.8
Exons	38..925, 948..1145, 1170..1262, 1341..1714, 1813..1990		

Seq. No.	31998	Seq. ID	OJ991008_15.0105.C8
Gene No.	66178	Strand	+
Start	15501	End	21577
Name	OJ991008_15.0105.C8.o3.gs	Method	GENSCAN
Start	15501	End	19386
GI	none	Score	.77
Exons	15501..15632, 16387..16428, 17427..17558, 17850..17971, 19264..19300, 19378..19386		

Seq. No.	31998	Seq. ID	OJ991008_15.0105.C8
Gene No.	66178	Strand	+
Start	15501	End	21577
Name	OJ991008_15.0105.C8.o3.np	Method	AAT/NAP
Start	16372	End	21300
GI	4309700	Score	295
Exons	16372..16428, 17442..17558, 17850..18085, 19264..19300, 21259..21300		
GI Descrip.	(AC006266) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	31998	Seq. ID	OJ991008_15.0105.C8
Gene No.	66178	Strand	+
Start	15501	End	21577
Name	OJ991008_15.0105.C8.o1.gp	Method	AAT/GAP
Start	20412	End	20685
GI	427907	Score	536
Exons	20412..20685		

Seq. No.	31998	Seq. ID	OJ991008_15.0105.C8
Gene No.	66178	Strand	+
Start	15501	End	21577
Name	OJ991008_15.0105.C8.o4.np	Method	AAT/NAP
Start	21127	End	21577
GI	2429362	Score	141

Exons	21127..21577		
GI Descrip.	(AF020261) proline rich protein [Santalum album]		
Seq. No.	31998	Seq. ID	OJ991008_15.0105.C8
Gene No.	66178	Strand	+
Start	15501	End	21577
Name	OJ991008_15.0105.C8.o4.gs	Method	GENSCAN
Start	21144	End	21397
GI	none	Score	.56
Exons	21144..21397		
Seq. No.	31998	Seq. ID	OJ991008_15.0105.C8
Gene No.	66179	Strand	-
Start	2748	End	21591
Name	OJ991008_15.0105.C8.o2.tw	Method	TBLASTX:Wheat
Start	712	End	1349
GI	none	Score	132
Exons	712..885, 713..922, 929..1198, 930..1241, 1218..1349		
Seq. No.	31998	Seq. ID	OJ991008_15.0105.C8
Gene No.	66179	Strand	-
Start	2748	End	21591
Name	OJ991008_15.0105.C8.o1.tw	Method	TBLASTX:Wheat
Start	1349	End	1810
GI	none	Score	575
Exons	1349..1810, 1350..1793		
Seq. No.	31998	Seq. ID	OJ991008_15.0105.C8
Gene No.	66179	Strand	-
Start	2748	End	21591
Name	OJ991008_15.0105.C8.o2.ts	Method	TBLASTX:Soybean
Start	1389	End	1754
GI	none	Score	115
Exons	1389..1613, 1620..1754		
Seq. No.	31998	Seq. ID	OJ991008_15.0105.C8
Gene No.	66179	Strand	-
Start	2748	End	21591
Name	OJ991008_15.0105.C8.o3.tm	Method	TBLASTX:Maize
Start	1479	End	1820
GI	none	Score	349
Exons	1479..1820, 1514..1816		
Seq. No.	31998	Seq. ID	OJ991008_15.0105.C8
Gene No.	66179	Strand	-
Start	2748	End	21591
Name	OJ991008_15.0105.C8.o2.gs	Method	GENSCAN
Start	2748	End	13340
GI	none	Score	.67
Exons	2748..2847, 2883..3704, 3796..3977, 4023..4166, 4209..4367, 4651..4752, 4829..4901, 5019..5644, 5735..5893, 5939..6375, 7016..7117, 7195..7275, 7630..7663, 7975..8031, 8654..8708, 8947..9002, 9131..9275, 9366..9434, 10373..10485, 11130..11194, 12274..12818, 13201..13340		
Seq. No.	31998	Seq. ID	OJ991008_15.0105.C8
Gene No.	66179	Strand	-

Start	2748	End	21591
Name	OJ991008_15.0105.C8.o1.np	Method	AAT/NAP
Start	2787	End	6316
GI	6907089	Score	1948
Exons	2787..3704, 3901..4875, 4993..5265, 5299..6316		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		

Seq. No.	31998	Seq. ID	OJ991008_15.0105.C8
Gene No.	66179	Strand	-
Start	2748	End	21591
Name	OJ991008_15.0105.C8.o2.np	Method	AAT/NAP
Start	4329	End	21591
GI	6723418	Score	660
Exons	4329..4367, 7951..8031, 8654..8708, 8814..8864, 8947..9002, 9131..9275, 9366..9434, 10361..10485, 10637..10722, 10838..10907, 12278..12540, 21378..21591		
GI Descrip.	(AL132965) putative protein [Arabidopsis thaliana]		

Seq. No.	31998	Seq. ID	OJ991008_15.0105.C8
Gene No.	66179	Strand	-
Start	2748	End	21591
Name	OJ991008_15.0105.C8.o2.tm	Method	TBLASTX:Maize
Start	7985	End	9394
GI	none	Score	81
Exons	7985..8044, 7987..8037, 8651..8707, 8652..8708, 8666..8710, 8667..8720, 8813..8866, 8813..8866, 8814..8867, 8936..8986, 8946..8987, 8946..9014, 8980..9003, 9101..9277, 9134..9277, 9177..9278, 9365..9394		

Seq. No.	31998	Seq. ID	OJ991008_15.0105.C8
Gene No.	66179	Strand	-
Start	2748	End	21591
Name	OJ991008_15.0105.C8.o3.tw	Method	TBLASTX:Wheat
Start	8651	End	9421
GI	none	Score	84
Exons	8651..8707, 8652..8708, 8654..8710, 8813..8866, 8814..8867, 8946..9014, 8951..9001, 9101..9277, 9166..9294, 9177..9278, 9313..9420, 9354..9419, 9368..9421		

Seq. No.	31998	Seq. ID	OJ991008_15.0105.C8
Gene No.	66179	Strand	-
Start	2748	End	21591
Name	OJ991008_15.0105.C8.o5.tm	Method	TBLASTX:Maize
Start	10372	End	12581
GI	none	Score	182
Exons	10372..10488, 10373..10489, 10373..10489, 10592..10732, 10637..10732, 10638..10733, 10836..10907, 10840..10911, 10841..10912, 10843..10905, 11109..11186, 11128..11190, 11129..11194, 11130..11201, 12267..12362, 12278..12454, 12284..12367, 12434..12487, 12448..12480, 12540..12581		

Seq. No.	31998	Seq. ID	OJ991008_15.0105.C8
Gene No.	66179	Strand	-
Start	2748	End	21591
Name	OJ991008_15.0105.C8.o1.tm	Method	TBLASTX:Maize
Start	15410	End	18082
GI	none	Score	50

Exons	15410..15460, 15414..15467, 15569..15631, 15570..15641, 16378..16446, 17406..17501, 17449..17556, 17449..17559, 17846..18064, 17850..18080, 17850..18080, 17927..18082		
Seq. No.	31998	Seq. ID	OJ991008_15.0105.C8
Gene No.	66179	Strand	-
Start	2748	End	21591
Name	OJ991008_15.0105.C8.o1.ts	Method	TBLASTX:Soybean
Start	17850	End	18086
GI	none	Score	230
Exons	17850..18086, 17854..17991, 17963..18028, 18053..18085		
Seq. No.	31998	Seq. ID	OJ991008_15.0105.C8
Gene No.	66179	Strand	-
Start	2748	End	21591
Name	OJ991008_15.0105.C8.o4.tm	Method	TBLASTX:Maize
Start	21246	End	21401
GI	none	Score	226
Exons	21246..21401, 21263..21400		
Seq. No.	31999	Seq. ID	OJ991008_15.0105.C9
Gene No.	66180	Strand	+
Start	116	End	1300
Name	OJ991008_15.0105.C9.o1.gs	Method	GENSCAN
Start	116	End	1300
GI	none	Score	.94
Exons	116..1300		
Seq. No.	31999	Seq. ID	OJ991008_15.0105.C9
Gene No.	66181	Strand	+
Start	4807	End	8629
Name	OJ991008_15.0105.C9.o1.gp	Method	AAT/GAP
Start	3329	End	3632
GI	72524_1.R1084	Score	444
Exons	3329..3632		
GI Descrip.	'5091496/dbj\|AB023482.2\|AB023482 3.0e-84 Oryza sativa genomic DNA, chromosome 6, clone P0680A03, complete sequence'		
Seq. No.	31999	Seq. ID	OJ991008_15.0105.C9
Gene No.	66181	Strand	+
Start	4807	End	8629
Name	OJ991008_15.0105.C9.o1.np	Method	AAT/NAP
Start	4473	End	8629
GI	5091513	Score	2049
Exons	4473..5707, 6451..7073, 7123..7368, 7987..8113, 8415..8629		
GI Descrip.	(AB023482) Hypothetical protein [Oryza sativa]		
Seq. No.	31999	Seq. ID	OJ991008_15.0105.C9
Gene No.	66181	Strand	+
Start	4807	End	8629
Name	OJ991008_15.0105.C9.o2.gs	Method	GENSCAN
Start	4807	End	7698
GI	none	Score	.89
Exons	4807..5651, 6432..7216, 7271..7698		
Seq. No.	31999	Seq. ID	OJ991008_15.0105.C9
Gene No.	66182	Strand	+

Start	10576	End	10940
Name	OJ991008_15.0105.C9.o3.gp	Method	AAT/GAP
Start	10576	End	10940
GI	uC-osroM202008b05b1	Score	701
Exons	10576..10940		
GI Descrip.	'2244805/emb\|CAB10228.1\| 6.0e-10 (Z97336) hypothetical protein [Arabidopsis thaliana]'		

Seq. No.	31999	Seq. ID	OJ991008_15.0105.C9
Gene No.	66183	Strand	-
Start	9777	End	10081
Name	OJ991008_15.0105.C9.o2.gp	Method	AAT/GAP
Start	9777	End	10081
GI	72524_1.R1084	Score	444
Exons	9777..10081		
GI Descrip.	'5091496/dbj\|AB023482.2\|AB023482 3.0e-84 Oryza sativa genomic DNA, chromosome 6, clone P0680A03, complete sequence'		

Seq. No.	31999	Seq. ID	OJ991008_15.0105.C9
Gene No.	66184	Strand	-
Start	14555	End	16412
Name	OJ991008_15.0105.C9.o4.gs	Method	GENSCAN
Start	14555	End	16412
GI	none	Score	.92
Exons	14555..14701, 15485..15571, 15663..15858, 16183..16412		

Seq. No.	31999	Seq. ID	OJ991008_15.0105.C9
Gene No.	66185	Strand	-
Start	17539	End	22812
Name	OJ991008_15.0105.C9.o1.tc	Method	TBLASTX:Cress
Start	86	End	739
GI	none	Score	188
Exons	86..442, 86..250, 95..157, 167..487, 175..471, 233..457, 274..426, 338..508, 596..739, 596..640		

Seq. No.	31999	Seq. ID	OJ991008_15.0105.C9
Gene No.	66185	Strand	-
Start	17539	End	22812
Name	OJ991008_15.0105.C9.o2.ts	Method	TBLASTX:Soybean
Start	86	End	802
GI	none	Score	176
Exons	86..415, 98..511, 103..201, 224..517, 280..483, 596..703, 596..799, 596..802		

Seq. No.	31999	Seq. ID	OJ991008_15.0105.C9
Gene No.	66185	Strand	-
Start	17539	End	22812
Name	OJ991008_15.0105.C9.o2.tm	Method	TBLASTX:Maize
Start	86	End	802
GI	none	Score	184
Exons	86..508, 86..430, 86..376, 170..490, 263..508, 295..495, 599..787, 602..802		

Seq. No.	31999	Seq. ID	OJ991008_15.0105.C9
Gene No.	66185	Strand	-
Start	17539	End	22812
Name	OJ991008_15.0105.C9.o2.tc	Method	TBLASTX:Cress

Start	10623	End	10989
GI	none	Score	126
Exons	10623..10778, 10624..10776, 10792..10989, 10812..10910		

Seq. No.	31999	Seq. ID	OJ991008_15.0105.C9
Gene No.	66185	Strand	-
Start	17539	End	22812
Name	OJ991008_15.0105.C9.o1.tm	Method	TBLASTX:Maize
Start	14552	End	15864
GI	none	Score	59
Exons	14552..14623, 14555..14617, 14621..14701, 14622..14702, 15661..15864, 15663..15860		

Seq. No.	31999	Seq. ID	OJ991008_15.0105.C9
Gene No.	66185	Strand	-
Start	17539	End	22812
Name	OJ991008_15.0105.C9.o1.ts	Method	TBLASTX:Soybean
Start	15512	End	16322
GI	none	Score	54
Exons	15512..15571, 15522..15572, 15663..15860, 15665..15757, 15666..15860, 15736..15864, 16179..16319, 16182..16244, 16290..16322		

Seq. No.	31999	Seq. ID	OJ991008_15.0105.C9
Gene No.	66185	Strand	-
Start	17539	End	22812
Name	OJ991008_15.0105.C9.o1.tw	Method	TBLASTX:Wheat
Start	15801	End	16397
GI	none	Score	87
Exons	15801..15860, 15802..15864, 16179..16340, 16182..16244, 16290..16397		

Seq. No.	31999	Seq. ID	OJ991008_15.0105.C9
Gene No.	66185	Strand	-
Start	17539	End	22812
Name	OJ991008_15.0105.C9.o5.gs	Method	GENSCAN
Start	17539	End	22812
GI	none	Score	.48
Exons	17539..17578, 17939..18117, 18324..18384, 19053..19074, 19567..19774, 20086..20146, 22700..22812		

Seq. No.	32000	Seq. ID	OJ991008_15.0105.C10
Gene No.	66186	Strand	-
Start	264	End	781
Name	OJ991008_15.0105.C10.o1.np	Method	AAT/NAP
Start	264	End	781
GI	6815063	Score	444
Exons	264..547, 670..781		
GI_Descrip.	(AP001080) hypothetical protein [Oryza sativa]		

Seq. No.	32001	Seq. ID	OJ991008_15.0105.C11
Gene No.	66187	Strand	+
Start	1	End	540
Name	OJ991008_15.0105.C11.o1.np	Method	AAT/NAP
Start	1	End	540
GI	5091513	Score	911
Exons	1..540		

GI Descrip. (AB023482) Hypothetical protein [Oryza sativa]

Seq. No.	32001	Seq. ID	OJ991008_15.0105.C11
Gene No.	66187	Strand	+
Start	1	End	540
Name	OJ991008_15.0105.C11.o1.gs	Method	GENSCAN
Start	73	End	488
GI	none	Score	.93
Exons	73..488		

Seq. No.	32002	Seq. ID	OJ991008_15.0105.C13
Gene No.	66188	Strand	+
Start	48	End	471
Name	OJ991008_15.0105.C13.o1.np	Method	AAT/NAP
Start	48	End	471
GI	5091513	Score	431
Exons	48..471		
GI Descrip.	(AB023482) Hypothetical protein [Oryza sativa]		

Seq. No.	32002	Seq. ID	OJ991008_15.0105.C13
Gene No.	66188	Strand	+
Start	48	End	471
Name	OJ991008_15.0105.C13.o1.gs	Method	GENSCAN
Start	121	End	436
GI	none	Score	.45
Exons	121..436		

Seq. No.	32003	Seq. ID	OJ991008_13.0103.C1
Gene No.	66189	Strand	+
Start	387	End	1373
Name	OJ991008_13.0103.C1.o1.gs	Method	GENSCAN
Start	387	End	1373
GI	none	Score	.67
Exons	387..485, 915..1373		

Seq. No.	32003	Seq. ID	OJ991008_13.0103.C1
Gene No.	66190	Strand	+
Start	2725	End	7531
Name	OJ991008_13.0103.C1.o2.gs	Method	GENSCAN
Start	2725	End	7490
GI	none	Score	.66
Exons	2725..2800, 3445..3541, 4460..4515, 4618..4686, 4778..4846, 5430..5501, 5626..6363, 6397..6579, 6625..7017, 7202..7324, 7412..7490		

Seq. No.	32003	Seq. ID	OJ991008_13.0103.C1
Gene No.	66190	Strand	+
Start	2725	End	7531
Name	OJ991008_13.0103.C1.o2.np	Method	AAT/NAP
Start	5701	End	7531
GI	4585985	Score	888
Exons	5701..6312, 6544..6992, 7111..7531		
GI Descrip.	(AC005287) Hypothetical protein [Arabidopsis thaliana]		

Seq. No.	32003	Seq. ID	OJ991008_13.0103.C1
Gene No.	66191	Strand	-
Start	2290	End	2407

Name	OJ991008_13.0103.C1.o1.gp	Method	AAT/GAP
Start	2290	End	2407
GI	LIB3477-003-P1-K1-E9	Score	143
Exons	2290..2407		
GI Descrip.	'2498586/sp\|Q40638\|MPO1_ORYSA 2.0e-24 MAJOR POLLEN ALLERGEN ORY S 1 PRECURSOR (ORY S I) >gi_1173557 (U31771) Ory s 1 [Oryza sativa]'		

Seq. No.	32003	Seq. ID	OJ991008_13.0103.C1
Gene No.	66192	Strand	
Start	5949	End	7209
Name	OJ991008_13.0103.C1.o1.tm	Method	TBLASTX:Maize
Start	5949	End	6761
GI	none	Score	74
Exons	5949..5999, 5994..6074, 6135..6464, 6392..6460, 6501..6761, 6662..6760		

Seq. No.	32003	Seq. ID	OJ991008_13.0103.C1
Gene No.	66192	Strand	
Start	5949	End	7209
Name	OJ991008_13.0103.C1.o1.tw	Method	TBLASTX:Wheat
Start	6585	End	6982
GI	none	Score	268
Exons	6585..6881, 6662..6880, 6905..6982		

Seq. No.	32003	Seq. ID	OJ991008_13.0103.C1
Gene No.	66192	Strand	
Start	5949	End	7209
Name	OJ991008_13.0103.C1.o2.tm	Method	TBLASTX:Maize
Start	6764	End	7209
GI	none	Score	184
Exons	6764..6886, 6765..6893, 6881..7006, 6897..7037, 7132..7209		

Seq. No.	32004	Seq. ID	OJ991008_13.0103.C2
Gene No.	66193	Strand	+
Start	1	End	4551
Name	OJ991008_13.0103.C2.o1.np	Method	AAT/NAP
Start	1	End	2085
GI	6815072	Score	1350
Exons	1..2085		
GI Descrip.	(AP001080) Similar to Arabidopsis thaliana chromosome II BAC T13P21; hypothetical protein (AC006067) [Oryza sativa]		

Seq. No.	32004	Seq. ID	OJ991008_13.0103.C2
Gene No.	66193	Strand	+
Start	1	End	4551
Name	OJ991008_13.0103.C2.o1.gs	Method	GENSCAN
Start	737	End	4551
GI	none	Score	.63
Exons	737..1120, 1238..2083, 2592..2735, 2929..3058, 3174..3270, 3496..3583, 4157..4215, 4428..4551		

Seq. No.	32004	Seq. ID	OJ991008_13.0103.C2
Gene No.	66193	Strand	+
Start	1	End	4551
Name	OJ991008_13.0103.C2.o1.tm	Method	TBLASTX:Maize
Start	896	End	1348

GI	none	Score	102
Exons	896..988, 916..1146, 1022..1258, 1292..1348		

Seq. No.	32004	Seq. ID	OJ991008_13.0103.C2
Gene No.	66193	Strand	+
Start	1	End	4551
Name	OJ991008_13.0103.C2.o2.tm	Method	TBLASTX:Maize
Start	1565	End	1885
GI	none	Score	169
Exons	1565..1792, 1567..1704, 1810..1884, 1811..1885		

Seq. No.	32004	Seq. ID	OJ991008_13.0103.C2
Gene No.	66193	Strand	+
Start	1	End	4551
Name	OJ991008_13.0103.C2.o1.tc	Method	TBLASTX:Cress
Start	1574	End	1819
GI	none	Score	199
Exons	1574..1819, 1603..1776		

Seq. No.	32004	Seq. ID	OJ991008_13.0103.C2
Gene No.	66193	Strand	+
Start	1	End	4551
Name	OJ991008_13.0103.C2.o1.ts	Method	TBLASTX:Soybean
Start	1811	End	1993
GI	none	Score	189
Exons	1811..1993, 1813..1980		

Seq. No.	32005	Seq. ID	OJ991008_13.0103.C3
Gene No.	66194	Strand	+
Start	3304	End	3715
Name	OJ991008_13.0103.C3.o2.gp	Method	AAT/GAP
Start	3304	End	3715
GI	none	Score	633
Exons	3304..3525, 3548..3715		

Seq. No.	32005	Seq. ID	OJ991008_13.0103.C3
Gene No.	66195	Strand	+
Start	8920	End	9011
Name	OJ991008_13.0103.C3.o3.gp	Method	AAT/GAP
Start	8920	End	9011
GI	32197_1.R1084	Score	123
Exons	8920..9011		
GI Descrip.	'4455192/emb\|CAB36515.1\| 2.0e-13 (AL035440) putative protein [Arabidopsis thaliana]'		

Seq. No.	32005	Seq. ID	OJ991008_13.0103.C3
Gene No.	66196	Strand	-
Start	1498	End	1952
Name	OJ991008_13.0103.C3.o1.gp	Method	AAT/GAP
Start	1498	End	1952
GI	none	Score	841
Exons	1498..1952		

Seq. No.	32005	Seq. ID	OJ991008_13.0103.C3
Gene No.	66197	Strand	-
Start	7768	End	11600
Name	OJ991008_13.0103.C3.o3.gs	Method	GENSCAN

Start	7768	End	11600
GI	none	Score	.54
Exons	7768..7843, 9288..9323, 9403..9518, 10107..10600, 10728..10937, 11263..11337, 11431..11600		

Seq. No.	32006	Seq. ID	OJ991008_13.0103.C4
Gene No.	66198	Strand	+
Start	9562	End	24674
Name	OJ991008_13.0103.C4.o4.np	Method	AAT/NAP
Start	9562	End	21736
GI	5852180	Score	117
Exons	9562..9626, 16456..16500, 16844..16942, 21688..21736		
GI Descrip.	(AL117265) zhb00010.1 [Oryza sativa]		

Seq. No.	32006	Seq. ID	OJ991008_13.0103.C4
Gene No.	66198	Strand	+
Start	9562	End	24674
Name	OJ991008_13.0103.C4.o2.np	Method	AAT/NAP
Start	13373	End	14863
GI	6907087	Score	383
Exons	13373..14221, 14762..14863		
GI Descrip.	(AP001129) ESTs C72771(E2215),AU082313(E2215) correspond to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	32006	Seq. ID	OJ991008_13.0103.C4
Gene No.	66198	Strand	+
Start	9562	End	24674
Name	OJ991008_13.0103.C4.o5.np	Method	AAT/NAP
Start	21153	End	24674
GI	6094106	Score	73
Exons	21153..21178, 22430..22531, 24648..24674		
GI Descrip.	MITOCHONDRIAL 60S RIBOSOMAL PROTEIN L2		

Seq. No.	32006	Seq. ID	OJ991008_13.0103.C4
Gene No.	66199	Strand	+
Start	25064	End	27095
Name	OJ991008_13.0103.C4.o7.gs	Method	GENSCAN
Start	25064	End	27095
GI	none	Score	.48
Exons	25064..25139, 25433..25528, 26618..26760, 26892..27095		

Seq. No.	32006	Seq. ID	OJ991008_13.0103.C4
Gene No.	66200	Strand	-
Start	2016	End	11868
Name	OJ991008_13.0103.C4.o1.np	Method	AAT/NAP
Start	2016	End	11868
GI	5042463	Score	414
Exons	2016..2059, 5399..5482, 5530..5686, 8815..9016, 11797..11868		
GI Descrip.	(AC007789) unknown protein [Oryza sativa]		

Seq. No.	32006	Seq. ID	OJ991008_13.0103.C4
Gene No.	66200	Strand	-
Start	2016	End	11868
Name	OJ991008_13.0103.C4.o2.gs	Method	GENSCAN
Start	10147	End	10491
GI	none	Score	.62

Exons	10147..10491		
Seq. No.	32006	Seq. ID	OJ991008_13.0103.C4
Gene No.	66200	Strand	-
Start	2016	End	11868
Name	OJ991008_13.0103.C4.o3.gs	Method	GENSCAN
Start	10921	End	11280
GI	none	Score	.85
Exons	10921..10926, 11110..11280		
Seq. No.	32006	Seq. ID	OJ991008_13.0103.C4
Gene No.	66201	Strand	-
Start	15258	End	17206
Name	OJ991008_13.0103.C4.o3.np	Method	AAT/NAP
Start	15258	End	17206
GI	4680186	Score	181
Exons	15258..15490, 17184..17206		
GI Descrip.	(AF111709) unknown [Oryza sativa subsp. indica]		
Seq. No.	32006	Seq. ID	OJ991008_13.0103.C4
Gene No.	66202	Strand	-
Start	18413	End	21518
Name	OJ991008_13.0103.C4.o6.gs	Method	GENSCAN
Start	18413	End	21518
GI	none	Score	.4
Exons	18413..18517, 18522..18660, 18919..19048, 20448..20581, 21225..21361, 21462..21518		
Seq. No.	32006	Seq. ID	OJ991008_13.0103.C4
Gene No.	66203	Strand	
Start	21836	End	22093
Name	OJ991008_13.0103.C4.o1.tw	Method	TBLASTX:Wheat
Start	21836	End	22093
GI	none	Score	418
Exons	21836..22093, 21836..21922, 21838..22092		
Seq. No.	32007	Seq. ID	OJ991008_13.0103.C5
Gene No.	66204	Strand	+
Start	3537	End	11132
Name	OJ991008_13.0103.C5.o3.gs	Method	GENSCAN
Start	3537	End	11120
GI	none	Score	.54
Exons	3537..3687, 4474..4495, 4667..4700, 4979..5119, 5519..5734, 6085..6166, 8334..8462, 8490..8677, 8948..9133, 9237..9314, 9502..9615, 10044..10183, 10473..10599, 10679..10793, 11032..11120		
Seq. No.	32007	Seq. ID	OJ991008_13.0103.C5
Gene No.	66204	Strand	+
Start	3537	End	11132
Name	OJ991008_13.0103.C5.o2.tm	Method	TBLASTX:Maize
Start	8978	End	9558
GI	none	Score	182
Exons	8978..9133, 8978..9133, 9234..9317, 9235..9333, 9235..9315, 9236..9316, 9496..9558, 9501..9557		
Seq. No.	32007	Seq. ID	OJ991008_13.0103.C5

Gene No.	66204	Strand	+
Start	3537	End	11132
Name	OJ991008_13.0103.C5.o1.ts	Method	TBLASTX:Soybean
Start	9008	End	11132
GI	none	Score	99
Exons	9008..9133, 9008..9133, 9227..9307, 9234..9317, 9496..9567, 9595..9618, 9720..9782, 9722..9778, 9867..9938, 10010..10093, 10047..10178, 10058..10168, 10116..10178, 10125..10178, 10128..10166, 10455..10598, 10474..10602, 10483..10602, 10678..10767, 10679..10768, 10721..10789, 10983..11132		

Seq. No.	32007	Seq. ID	OJ991008_13.0103.C5
Gene No.	66204	Strand	+
Start	3537	End	11132
Name	OJ991008_13.0103.C5.o1.gp	Method	AAT/GAP
Start	9278	End	10770
GI	29075_1.R1084	Score	1150
Exons	9278..9314, 9502..9615, 9720..9786, 9875..9936, 10044..10183, 10473..10599, 10679..10770		
GI Descrip.	'5032015/ref\|NP_005824.1\|pRAB9P40\| 7.0e-13 Rab9 effector p40 >gi_2217970_emb_CAB09808_ (Z97074) p40 [Homo sapiens]'		

Seq. No.	32007	Seq. ID	OJ991008_13.0103.C5
Gene No.	66204	Strand	+
Start	3537	End	11132
Name	OJ991008_13.0103.C5.o1.tm	Method	TBLASTX:Maize
Start	9565	End	11132
GI	none	Score	56
Exons	9565..9618, 9720..9785, 9868..9939, 9872..9943, 9873..9944, 10053..10178, 10063..10170, 10064..10171, 10116..10178, 10121..10183, 10128..10166, 10455..10598, 10474..10602, 10474..10602, 10474..10602, 10678..10761, 10679..10768, 10679..10768, 10679..10795, 10974..11132, 10979..11125		

Seq. No.	32007	Seq. ID	OJ991008_13.0103.C5
Gene No.	66204	Strand	+
Start	3537	End	11132
Name	OJ991008_13.0103.C5.o1.tc	Method	TBLASTX:Cress
Start	10052	End	10768
GI	none	Score	95
Exons	10052..10177, 10053..10181, 10116..10178, 10455..10598, 10474..10602, 10483..10602, 10678..10767, 10679..10768		

Seq. No.	32008	Seq. ID	OJ991008_13.0103.C6
Gene No.	66205	Strand	+
Start	51	End	601
Name	OJ991008_13.0103.C6.o1.gs	Method	GENSCAN
Start	51	End	601
GI	none	Score	8
Exons	51..103, 437..601		

Seq. No.	32008	Seq. ID	OJ991008_13.0103.C6
Gene No.	66206	Strand	-
Start	1599	End	1794
Name	OJ991008_13.0103.C6.o2.gs	Method	GENSCAN
Start	1599	End	1794
GI	none	Score	.85

Exons	1599..1794		

Seq. No.	32009	Seq. ID	OJ991008_13.0103.C7
Gene No.	66207	Strand	+
Start	7074	End	7151
Name	OJ991008_13.0103.C7.o2.np	Method	AAT/NAP
Start	7074	End	7151
GI	6630699	Score	82
Exons	7074..7151		
GI Descrip.	(AP000969) hypothetical protein [Oryza sativa] gi\|6721536\|dbj\|BAA89566.1\| (AP001073) hypothetical protein [Oryza sativa]		

Seq. No.	32009	Seq. ID	OJ991008_13.0103.C7
Gene No.	66208	Strand	+
Start	9216	End	10560
Name	OJ991008_13.0103.C7.o4.np	Method	AAT/NAP
Start	9216	End	10560
GI	6630699	Score	68
Exons	9216..9249, 10482..10560		
GI Descrip.	(AP000969) hypothetical protein [Oryza sativa] gi\|6721536\|dbj\|BAA89566.1\| (AP001073) hypothetical protein [Oryza sativa]		

Seq. No.	32009	Seq. ID	OJ991008_13.0103.C7
Gene No.	66209	Strand	+
Start	11402	End	15697
Name	OJ991008_13.0103.C7.o3.gs	Method	GENSCAN
Start	11402	End	15697
GI	none	Score	.49
Exons	11402..12280, 13156..13177, 15144..15697		

Seq. No.	32009	Seq. ID	OJ991008_13.0103.C7
Gene No.	66209	Strand	+
Start	11402	End	15697
Name	OJ991008_13.0103.C7.o3.gp	Method	AAT/GAP
Start	11426	End	11868
GI	none	Score	882
Exons	11426..11868		

Seq. No.	32009	Seq. ID	OJ991008_13.0103.C7
Gene No.	66209	Strand	+
Start	11402	End	15697
Name	OJ991008_13.0103.C7.o6.np	Method	AAT/NAP
Start	11684	End	12280
GI	4454479	Score	501
Exons	11684..12280		
GI Descrip.	(AC006234) putative riboflavin synthase alpha chain [Arabidopsis thaliana]		

Seq. No.	32009	Seq. ID	OJ991008_13.0103.C7
Gene No.	66210	Strand	+
Start	22831	End	27603
Name	OJ991008_13.0103.C7.o6.gp	Method	AAT/GAP
Start	22569	End	23030
GI	none	Score	908
Exons	22569..23030		

Seq. No.	32009	Seq. ID	OJ991008_13.0103.C7
Gene No.	66210	Strand	+
Start	22831	End	27603
Name	OJ991008_13.0103.C7.o5.gs	Method	GENSCAN
Start	22831	End	27468
GI	none	Score	.96
Exons	22831..23389, 23487..23646, 23864..23912, 24015..24128, 24308..24739, 25039..25425, 25519..25617, 25825..25923, 26262..26335, 26832..27468		

Seq. No.	32009	Seq. ID	OJ991008_13.0103.C7
Gene No.	66210	Strand	+
Start	22831	End	27603
Name	OJ991008_13.0103.C7.o7.np	Method	AAT/NAP
Start	22942	End	27465
GI	3242789	Score	2184
Exons	22942..23150, 23213..23401, 23496..23646, 23864..23912, 24015..24128, 24308..24739, 25039..25425, 25519..25617, 25825..25940, 26050..26152, 26262..26329, 26832..27465		
GI Descrip.	(AF055357) respiratory burst oxidase protein D [Arabidopsis thaliana]		

Seq. No.	32009	Seq. ID	OJ991008_13.0103.C7
Gene No.	66210	Strand	+
Start	22831	End	27603
Name	OJ991008_13.0103.C7.o7.gp	Method	AAT/GAP
Start	23487	End	24479
GI	uC-osroM202001b02b1	Score	906
Exons	23487..23646, 23864..23912, 24015..24128, 24308..24479		
GI Descrip.	'3242783 5.0e-34 (AF055354) respiratory burst oxidase protein B [Arabidopsis thaliana]'		

Seq. No.	32009	Seq. ID	OJ991008_13.0103.C7
Gene No.	66210	Strand	+
Start	22831	End	27603
Name	OJ991008_13.0103.C7.o8.gp	Method	AAT/GAP
Start	25860	End	27024
GI	uC-osroM202001b02a1	Score	822
Exons	25860..25940, 26050..26152, 26262..26335, 26832..27024		
GI Descrip.	'3242785 7.0e-51 (AF055355) respiratory burst oxidase protein C [Arabidopsis thaliana]'		

Seq. No.	32009	Seq. ID	OJ991008_13.0103.C7
Gene No.	66210	Strand	+
Start	22831	End	27603
Name	OJ991008_13.0103.C7.o9.gp	Method	AAT/GAP
Start	27252	End	27603
GI	LIB3433-037-P1-K1-D5	Score	675
Exons	27252..27603		
GI Descrip.	'3242783 4.0e-25 (AF055354) respiratory burst oxidase protein B [Arabidopsis thaliana]'		

Seq. No.	32009	Seq. ID	OJ991008_13.0103.C7
Gene No.	66211	Strand	-
Start	148	End	3743
Name	OJ991008_13.0103.C7.o1.np	Method	AAT/NAP

Start	148	End	3719
GI	6175164	Score	1354
Exons	148..306, 417..485, 888..959, 1115..1195, 1702..1794, 2027..2179, 2292..2343, 2479..2664, 3276..3395, 3505..3719		
GI Descrip.	(AC011437) putative tryptophanyl-tRNA synthetase [Arabidopsis thaliana]		

Seq. No.	32009	Seq. ID	OJ991008_13.0103.C7
Gene No.	66211	Strand	-
Start	148	End	3743
Name	OJ991008_13.0103.C7.o1.gp	Method	AAT/GAP
Start	196	End	969
GI	83231_1.R1084	Score	427
Exons	196..306, 417..485, 888..969		
GI Descrip.	'2982724/dbj\|BAA25288\| 2.0e-25 (AB012222) tryptophan-tRNA synthetase [Cavia porcellus]'		

Seq. No.	32009	Seq. ID	OJ991008_13.0103.C7
Gene No.	66211	Strand	-
Start	148	End	3743
Name	OJ991008_13.0103.C7.o1.gs	Method	GENSCAN
Start	196	End	3743
GI	none	Score	.93
Exons	196..306, 417..485, 888..959, 1115..1195, 1702..1794, 2027..2179, 2292..2343, 2479..2664, 3276..3395, 3505..3743		

Seq. No.	32009	Seq. ID	OJ991008_13.0103.C7
Gene No.	66211	Strand	-
Start	148	End	3743
Name	OJ991008_13.0103.C7.o2.gp	Method	AAT/GAP
Start	2014	End	3315
GI	669_1.R1084	Score	721
Exons	2014..2179, 2292..2343, 2479..2664, 3276..3315		
GI Descrip.	'135191/sp\|P23381\|SYW_HUMAN 6.0e-39 TRYPTOPHANYL-TRNA SYNTHETASE (TRYPTOPHAN--TRNA LIGASE) (TRPRS) (IFP53) >gi_107990_pir__A41706 tryptophan--tRNA ligase homolog - human >gi_30821_emb_CAA42545_ (X59892) 471 aa polypeptide (gamma2) [Homo sapiens] >gi_184657 (M77804) transfer RNA-Trp synthetase [Homo sapiens]'		

Seq. No.	32009	Seq. ID	OJ991008_13.0103.C7
Gene No.	66212	Strand	-
Start	7288	End	10422
Name	OJ991008_13.0103.C7.o2.gs	Method	GENSCAN
Start	7288	End	10192
GI	none	Score	.66
Exons	7288..7401, 8056..8237, 8777..8896, 9528..9558, 10055..10192		

Seq. No.	32009	Seq. ID	OJ991008_13.0103.C7
Gene No.	66212	Strand	-
Start	7288	End	10422
Name	OJ991008_13.0103.C7.o3.np	Method	AAT/NAP
Start	7291	End	10422
GI	5922620	Score	253
Exons	7291..7421, 8777..8861, 8976..9235, 9580..9808, 10372..10422		
GI Descrip.	(AP000492) EST D15357(C0514) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa] gi\|6016853\|dbj\|BAA85196.1\| (AP000570) EST D15357(C0514)		

corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]

Seq. No.	32009	Seq. ID	OJ991008_13.0103.C7
Gene No.	66213	Strand	-
Start	10700	End	12470
Name	OJ991008_13.0103.C7.o5.np	Method	AAT/NAP
Start	10700	End	12470
GI	5922620	Score	155
Exons	10700..10876, 12445..12470		
GI Descrip.	(AP000492) EST D15357(C0514) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa] gi\|6016853\|dbj\|BAA85196.1\| (AP000570) EST D15357(C0514) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	32009	Seq. ID	OJ991008_13.0103.C7
Gene No.	66214	Strand	-
Start	12813	End	13280
Name	OJ991008_13.0103.C7.o4.gp	Method	AAT/GAP
Start	12813	End	13280
GI	none	Score	455
Exons	12813..12842, 12989..13280		

Seq. No.	32009	Seq. ID	OJ991008_13.0103.C7
Gene No.	66215	Strand	-
Start	14610	End	15651
Name	OJ991008_13.0103.C7.o5.gp	Method	AAT/GAP
Start	14610	End	15651
GI	none	Score	1972
Exons	14610..15651		

Seq. No.	32009	Seq. ID	OJ991008_13.0103.C7
Gene No.	66216	Strand	-
Start	17754	End	19081
Name	OJ991008_13.0103.C7.o3.tm	Method	TBLASTX:Maize
Start	189	End	3654
GI	none	Score	134
Exons	189..308, 193..327, 193..324, 415..477, 415..483, 417..494, 447..518, 852..962, 885..962, 886..963, 1112..1201, 1113..1196, 1114..1212, 1114..1203, 1700..1795, 1702..1797, 1703..1795, 2027..2182, 2031..2174, 2255..2353, 2290..2346, 2292..2354, 2292..2357, 2478..2666, 2479..2664, 2479..2667, 3267..3392, 3273..3395, 3275..3397, 3371..3436, 3504..3653, 3598..3654		

Seq. No.	32009	Seq. ID	OJ991008_13.0103.C7
Gene No.	66216	Strand	-
Start	17754	End	19081
Name	OJ991008_13.0103.C7.o3.ts	Method	TBLASTX:Soybean
Start	2478	End	2667
GI	none	Score	212
Exons	2478..2666, 2479..2667		

Seq. No.	32009	Seq. ID	OJ991008_13.0103.C7
Gene No.	66216	Strand	-
Start	17754	End	19081
Name	OJ991008_13.0103.C7.o2.tc	Method	TBLASTX:Cress

Start	3273	End	3641
GI	none	Score	148
Exons	3273..3395, 3275..3397, 3504..3641		

Seq. No.	32009	Seq. ID	OJ991008_13.0103.C7
Gene No.	66216	Strand	-
Start	17754	End	19081
Name	OJ991008_13.0103.C7.o2.ts	Method	TBLASTX:Soybean
Start	3273	End	3650
GI	none	Score	137
Exons	3273..3395, 3275..3397, 3504..3650		

Seq. No.	32009	Seq. ID	OJ991008_13.0103.C7
Gene No.	66216	Strand	-
Start	17754	End	19081
Name	OJ991008_13.0103.C7.o4.gs	Method	GENSCAN
Start	17754	End	19081
GI	none	Score	.86
Exons	17754..17761, 17915..18086, 18513..18559, 18970..19081		

Seq. No.	32009	Seq. ID	OJ991008_13.0103.C7
Gene No.	66217	Strand	
Start	23224	End	27488
Name	OJ991008_13.0103.C7.o6.tm	Method	TBLASTX:Maize
Start	23224	End	23605
GI	none	Score	178
Exons	23224..23391, 23244..23390, 23485..23553, 23486..23605, 23489..23599		

Seq. No.	32009	Seq. ID	OJ991008_13.0103.C7
Gene No.	66217	Strand	
Start	23224	End	27488
Name	OJ991008_13.0103.C7.o1.ts	Method	TBLASTX:Soybean
Start	23329	End	27488
GI	none	Score	67
Exons	23329..23406, 23370..23390, 23485..23553, 23486..23647, 23570..23647, 23855..23911, 23865..23915, 23991..24146, 24367..24417, 24368..24793, 24475..24750, 24624..24755, 25003..25194, 25089..25385, 25093..25425, 25519..25587, 25819..25941, 25824..25940, 26050..26145, 26051..26155, 26264..26308, 26265..26315, 26829..26969, 26830..26970, 27046..27141, 27051..27140, 27154..27474, 27156..27488		

Seq. No.	32009	Seq. ID	OJ991008_13.0103.C7
Gene No.	66217	Strand	
Start	23224	End	27488
Name	OJ991008_13.0103.C7.o1.tc	Method	TBLASTX:Cress
Start	23498	End	27473
GI	none	Score	163
Exons	23498..23647, 23540..23647, 23865..23915, 24006..24146, 24383..24742, 24475..24747, 25089..25160, 25093..25188, 25179..25415, 25180..25425, 25264..25425, 25518..25586, 25519..25587, 25819..25941, 25824..25940, 26044..26148, 26048..26167, 26051..26170, 26259..26309, 26267..26308, 26832..26969, 26833..26970, 27045..27143, 27046..27141, 27117..27473, 27154..27471		

This Page is inserted by IFW Indexing and Scanning Operations and is not part of the Official Record

BEST AVAILABLE IMAGES

Defective images within this document are accurate representations of the original documents submitted by the applicant.

Defects in the images include but are not limited to the items checked:

- ☐ BLACK BORDERS
- ☐ IMAGE CUT OFF AT TOP, BOTTOM OR SIDES
- ☐ FADED TEXT OR DRAWING
- ☐ BLURED OR ILLEGIBLE TEXT OR DRAWING
- ☐ SKEWED/SLANTED IMAGES
- ☐ COLORED OR BLACK AND WHITE PHOTOGRAPHS
- ☐ GRAY SCALE DOCUMENTS
- ☑ LINES OR MARKS ON ORIGINAL DOCUMENT
- ☐ REPERENCE(S) OR EXHIBIT(S) SUBMITTED ARE POOR QUALITY
- ☐ OTHER: _____

IMAGES ARE BEST AVAILABLE COPY.
As rescanning documents *will not* correct images problems checked, please do not report the problems to the IFW Image Problem Mailbox